

# THE ATHENÆUM

Journal of English and Foreign Literature, Science, and the Fine Arts.

No. 989.

For the convenience of Subscribers residing in remote places, the weekly numbers are reissued in Monthly Parts, stitched in a wrapper, and forwarded with the Magazines.—Subscriptions for the Stamped Edition for the Continent, for not less than Three Months, and in advance, are received by M. BAUDRY, 3, Quai Malakoff, Paris, or at the Publishing Office, 14, Wellington-street North, Strand, London. For France and other Countries not requiring the postage to be paid in London, 28 fr. or £. 2s. the year. To other Countries, the postage in addition.

PRICE  
FOURPENCE  
Stamped Edition, 5d.

JAMES HOLMES, TOOK'S COURT, CHANCERY LANE.

London, Saturday, October 10, 1846.

UNIVERSITY COLLEGE, LONDON.—  
FACULTY OF ARTS AND LAWS.—Session 1846.—  
THE SESSION will commence on WEDNESDAY next, October 10th, when Professor TOM TAYLOR, M.A. of Trinity College, Cambridge, will deliver an INTRODUCTORY LECTURE, at two o'clock precisely, on the Education of all Classes in England. Gentlemen may be admitted on presenting their tickets.

Properties of the Classes and further particulars may be obtained at the Office of the College.

HENRY MALINSON, A.M. Dean of the Faculty.  
CHAS. C. ATKINSON, Secretary to the Council.

CLASSES FOR STUDYING GERMAN.—

DR. HEIMANN, German Master at the London University School, begs to inform his Friends and the Public that his Classes will RE-COMMENCE on the 10th of October. For further particulars apply to Dr. Heimann's Residence, 50, George-street, Finsbury-square.

On the 11th October, at eight o'clock.

WILLIAM MACCALL, Author of 'The Agents of Civilization,' will deliver at the NATIONAL HALL, 212, High Holborn, the Fifth of a Series of Sunday Evening Lectures on the SYSTEM of INDIVIDUALISM.

TO AUTHORS.—The Advertiser offers his services in Correcting and Preparing Works for the Press, Correcting and Superintending the Printing and Publishing of them. He has had very extensive experience in such employment, and is most advantageously situated in respect to publication under favourable circumstances. Address Alpha, 4, Holborn-street, Islington.

SECRETARY.—A Gentleman, of good education (aged about 25), wishes for a SITUATION AS SECRETARY to a Nobleman or Gentleman, or to a Public Institution. He has had several years experience in general business, has been in positions of great trust and responsibility, and can produce very satisfactory testimonials from his employers, and from other quarters, in regard both to character and abilities.—Address A. Z., care of Mr. Lund, 31, Fleet-street.

NORTH BRITISH REVIEW.—To Advertisers.—ADVERTISEMENTS and BILLS, intended for insertion in No. 11, must be sent to the Publishers by the 15th inst. Edinburgh: W. P. Kennedy. London: Hamilton, Adams & Co.

NEW AND STANDARD WORKS.

MUDIE'S SELECT LIBRARY, 28, Upper King-street, Bloomsbury-square. The Library comprises the best and newest Works in every department of Literature, with all the Quarterly and Monthly Periodicals.

Single Subscriptions.

Seven Shillings per Quarter; One Guinea per Annum.  
Family and Country Subscriptions.  
Two, Three, Five, or Ten Guineas per Annum, according to the number of volumes required.

Newspapers regularly supplied.—Stationery of every Description.

GERMAN BOOKS.

A great Reduction of Prices has been made by ALEXANDER BLACK, Foreign Bookseller to Her Majesty, in consequence of the alteration of the duty.

Tan's Greek and Latin Classics, and Black's Leipzig Classics are reduced one cent.

A NEW CATALOGUE of Books, printed in Germany, will shortly appear, and will be forwarded to those Gentlemen who favour him with their address.

8, Wellington-street North, Strand.

EAGLE INSURANCE COMPANY.

NOTICE is hereby given, that the Transfer Books of this Company will be shut from the 2nd day of October to the 1st day of November next, when the DIVIDEND will COMMENCE PAYMENT here, at the Office, at 12, and continue to be paid every following day between the same hours.

By order of the Board of Directors.

HENRY P. SMITH, Actuary.

The Crescent, Bridge-street, Blackfriars, Oct. 2, 1846.

An Annual General Meeting of the Proprietors of ten or more shares in the Eagle Assurance Company, held at the office of the Company, No. 3, the Crescent, Bridge-street, Blackfriars, pursuant to the Desp. of the Board of Directors, on Friday, the 2nd day of October inst., JOHN RICHARDS, Esq. in the chair.

The Directors presented a report on the affairs of the Company and declaring a dividend upon the capital, which was read and approved.

It was resolved, that the thanks of this Meeting be given to the Directors for their successful management and unremitting attention to the welfare of this Company.

That the thanks of this Meeting be given to the Auditors for their diligent discharge of the duties confided to their care.

That the thanks of this Meeting be given to the Actuary.

By order of the Annual General Meeting.

JOHN RICHARDS, Chairman.

No. 3, the Crescent, Blackfriars, Oct. 2, 1846.

CHAPPELL'S PIANOFORTE WARE.—  
HOURS.—New Bond-street.—A very large stock of PIANOFORTES by Broadwood, Collard, Erard, Wormsley, &c. for HIRE in town or country.—We have a large number of Party hiring instruments by the year or half-year. A great number of New and Second-hand Instruments of all description for sale, by the above and other celebrated makers. Old Pianofortes taken in exchange. Also, Harps by Erard, Guitars, and Concertinas.

SOCIETY OF ARTS PRIZE PATTERNS.

THE Society being desirous of procuring beautiful forms of ordinary stencils, to be sold at the same prices as the commonest and most vulgar, awarded their Prizes to Messrs. Mawer, of Stoke on Trent, for two Jugs and a Toilet Service, and to Mr. T. & J. H. Smith, of a Tea Service.

These articles may be had of a Dealer in China and Earthenware throughout the Kingdom, or of the manufacturers and confectioners Crocker, and at higher prices according to quality.

They are manufactured in white, buff, and olive-coloured Earthenware, in white China, and China with gold handles, as submitted to H.R.H. the Prince Albert, the President of the Society.

DE LA RUE & CO'S POCKET CHESS-BOARD, on an improved and novel principle, very superior to any hitherto published, will be ready in a few days. Price 2s.

ENCAUSTIC DECORATIONS FOR ROOMS, executed by first-rate German Artists, both for Ceilings and Walls. Specimens may be seen at 1, B. SIMPSON, 49, West Strand, near Trafalgar-square. The same are done on paper for the country, and may be put up by country workmen.

TO VISITORS TO THE CONTINENT.

MESSRS. J. & R. MCCRACKEN, FOREIGN AGENTS, and AGENTS to the ROYAL ACADEMY, No. 7, Old Jewry, beg to remind the Nobility and Gentry that they continue to receive Consignments of Objects of Fine Arts, Pictures, &c., from all parts of the Continent, for sale through the United States. The Agents will be ready to receive the shipment of Effects to all parts of the world. Lists of their Correspondents abroad, and every information, may be had on application at their Office, as above.

RECONNOITERING TELESCOPES.—These are celebrated Instruments, so valuable to Military Men and Tourists, measure, when closed, 33 inches, and possess sufficient power to show the Satellites of Jupiter, price 35s. : or sent through the post, 36s. The instrument, with an additional Eye-piece, with which Saturn's Ring can be clearly seen, stand, and case to contain the whole, 32s. : sent through the post, 33s. 2d. To be had of the maker, JOHN DAVIS, Optician, Derby.

SALES BY AUCTION.

VALUABLE STEREOTYPE PLATES, &c.

MR. L. LEWIS WILL SELL, at his House, 123, Fleet-street, on MONDAY, October 19, and 6 following days.

THE STEREOTYPE PLATES of Dugdale's edition of 'The Wandering Jew,' with 2000 copies of the work in cloth. The Stereotype Plates of an excellent edition of 'The Merchant of Venice,' with 2000 copies of the work in cloth. The Stereotype Plates to Voltaire's Philosophical Dictionary, 2 vols. 1600 Boccaccio's Decameron, 8vo. 1000 Shakspere's Plays, 8vo. 800 Trollope's History of Christ's Hospital, &c. An extensive Collection of MISCELLANEOUS Books, &c. Architectural Books of Prints, &c. including Rec'd. Cyclopedias, 6 vols. half-bound. Handbks. of Parliamentary Debates and History, complete—Scott's Waverley Novels and Poetry, 60 vols. calf extra—Stalford Gallery, 4 vols.—Canova's Works, 3 vols. large paper—Lamb's Tales, coloured—Hoare's Ancient Walpurgis—Lamb's Experiments—Handbks. of the Art of War—The History of the Duke of Wellington—Handbks. of History of England, 7 vols.—Maitland's History of London, 2 vols.—Taylor's Hebrew Concordance—Burney's History of Music, 4 vols.—Knight's Worship of Priapus, privately printed—Stuart & Revett Antiquities d'Albion, 4 vols.—Pugin's Gothic Architecture, 2 vols.—Frogg'd on the Steam-Engine, 2 vols.—Engravings—Bookcases, &c.

TO CAPITALISTS.

W. LEWIS & SON have received instructions to SELL by AUCTION, in One Lot, early in December, if not previously disposed of by Private Contract, THE CASLON LETTER FOUNDRY, which the present proprietor, by whose ancestor it was established, and in whose hands it remained for more than a century, has now reluctantly resolved to part with, from various infirmities. It contains the original works of its founder, WILLIAM CASLON, which have recently been much in request for reprints, and whose life is recorded in the Biographical Dictionary and in Haward's 'Typographia,' where the character of the Foundry is given in large detail. The Caslon Letter Foundry, on which the proprietor has spared no expense, during the present century, to maintain the high character so long enjoyed by the Caslon Letter Foundry. Its extent and variety can by no means be estimated from the printed specimens, which scarcely exceed one-half of the complete collection, which is now comprised in the possession of the United Kingdom, as well as in India, the colonies, and foreign countries. The proprietor wishes to sell it complete in One Lot, with or without the lease of the Premises in Chiswick-street. It could not fail to be a most advantageous purchase to printmen, and others, who are desirous of finding a suitable wife. It is respectfully offered to Her Majesty's Government, as the nucleus of such an establishment as the 'Imperial Royal' at Paris; also to foreign powers desirous of possessing a National Printing Office.—Further particulars may be obtained of W. Lewis & Son, Printers' Appraisers and Auctioneers, 21, Finsbury-lane, Cornhill, London.

NEW WORK BY LIEBIG.

8vo. cloth. 3s.

CHEMISTRY and PHYSICS in RELATION to PHYSIOLOGY and PATHOLOGY.

By RABON JUSTUS LIEBIG, Professor of Chemistry in the University of Giessen.

WATERHOUSE.—The Natural History of the Mammalia, Vol. I. in cloth boards. Plain, 11. 9s.; coloured, 11. 14s. 6d. London: H. Baillière, Publisher, 239, Regent-street.

Just published, for the Use of Schools, price 2s. 6d.

A STATISTICAL MAP of ENGLAND and WALES.

By T. KENTISH.

Exhibiting, in addition to everything contained in the usual

maps, an immense mass of local information, arranged on a plan entirely new, and calculated to make a rapid and permanent impression on the Memory. By its use, the situations of Towns, and other important places, the principal Trading Ports, Fishing Stations, Breeds of Animals, &c. are impressed upon the mind with greater facility than the places alone by the aid of the usual maps: indeed, it may be safely stated, that more knowledge will be acquired from it in a month or two by twenty minutes' perusal than can be obtained from others in any length of time whatever.

Relfe & Fletcher, 15, Cloak-lane.

Just published, by Relfe & Fletcher, 15, Cloak-lane.

FRENCH PHRASEOLOGY; or, ORAL EXERCISES in Conversational FRENCH SYNONYMS and Idioms, intended as a Vocabulary or Phrase Book for the Use of those who have already made some progress in the French Language.

By H. STEIN TURRELL, Head Master of the Brighton Proprietary Grammar School.

Price 4s.

This day is published, in 1 vol. 8vo. illustrated with several

Plans and Diagrams, price 2s. 6d. in cloth.

A TREATISE on RAILWAY SURVEYING and LEVELLING: in which the Author has endeavoured to simplify the most approved methods now adopted by Surveyors.

By JOHN QUESTED, Surveyor.

Author of a Treatise on 'The Art of Land Surveying.'

“ This is a practical work, and cannot fail in these days of universal surveying to be highly useful. Its instructions are at once clear and concise.”—*Railway Record*, May 6.

LITERARY EDITION.

Now ready, in 2 vols. small 8vo. cloth, price 7s. 6d.

THE COUNT OF MONTE CHRISTO.

A ROMANCE. By ALEXANDRE DUMAS.

“ The Count of Monte Christo, amongst the best of Dumas

Works, in abundance and variety of incident it is marvellous,

and it is a bold, full, and rapid tale with a

bold, artistic individuality of the modern school.

The original estimate of the elaboration is as masterly as the fertility of invention is surprising, and the descriptions of persons, of accessories, and

scenery, are as vivid as pictures.”—*Spectator*.

Belfast: Simms & M'Intyre. London: W. Orr & Co. Liverpool: George Philip. Edinburgh: John Murray. Glasgow: Richard Griffin & Co. Dublin: Cumming & Ferguson.

21, Dean-street.

MERYN SPARROW, Proprietor.

THE EDINBURGH REVIEW, No. CLXX.

will be published on Friday next.

Contents.

1. PROPOSALS FOR EXTENDING THE IRISH POOR-LAW.  
2. SPEECHES and WRITINGS of the late LORD KING.  
3. GROTE'S HISTORY of GREECE.  
4. LIVES of EMINENT LAWYERS—LEGAL EDUCATION.  
5. STATE and PROSPECTS of BRITISH AGRICULTURE.  
6. GOVERNMENT of BRITISH INDIA.  
7. RAILWAYS at HOME and ABROAD.

London: Longman & Co. Edinburgh: A. & C. Black.

Just published.

THE WESTMINSTER REVIEW, No. XC.

for October, with Index of Nos. LXXXVII. and LXXXIX.

THE FOREIGN QUARTERLY REVIEW, LXXXV. for October, with Index of Nos. LXXXIII. and LXXXIV.

Contents.

1. Principles of Taxation: M'Culloch.  
2. The Microscope and its Revelations.  
3. Architectural Study, &c. (with Illustrations).  
4. Free-Trade Prospects: Repeal of the Corn Laws.  
5. Dr. T. H. Huxley's Cure.  
7. National Education: Dr. Hook and the Dissenters.  
8. Patronage: the Poor Law and Railway Commissioners.

FORCES OF LITERATURE AND CORRESPONDENCE:—  
Technicul Sketches of Peru—Quinet's 'Visions of Elegance'—Letizier's 'Vermischte Schriften'—The new Revue Encyclopédique—Briefe von und an Goethe—Musik in India—Intelligence from Canada, Hamburg, France, &c. &c.

Mr. George Luxford informs the public that arrangements have been made for the publication of the new and improved edition of the 'Edinburgh Review'—which will be published in 12mo. The Microscope and its Revelations, the Architectural Study, &c. (with Illustrations), the Free-Trade Prospects: Repeal of the Corn Laws, Dr. T. H. Huxley's Cure, National Education: Dr. Hook and the Dissenters, Patronage: the Poor Law and Railway Commissioners, Forces of Literature and Correspondence, &c. &c. are now under one management, and appear with nearly the same contents; but for the convenience of subscribers desirous of completing their back sets, with the respective Indexes, &c. separate editions will continue to be published for the present.

1. Whitefriars-street, Fleet-street, London.

Just published, 12mo. price 5s. cloth.

ROME: PAGAN AND PAPAL.

By an ENGLISH RESIDENT in that City.

London: Hamilton, Adams & Co. Bristol: H. C. Evans.

Now ready,

THE DRAMAS of IPHIGENIA in TAURIS, and TORQUATO TASSO, of Goethe; and THE MAID of ORLEANS, of Schiller. Translated (omitting some passages), with Introductory Remarks, by ANNA SWANWICK. 8vo. cloth.

London: Chapman, Brothers, 121, Newgate-street.

NEW WORK BY LIEBIG.

8vo. cloth. 3s.

CHEMISTRY and PHYSICS in RELATION to PHYSIOLOGY and PATHOLOGY.

By RABON JUSTUS LIEBIG.

Professor of Chemistry in the University of Giessen.

WATERHOUSE.—The Natural History of the Mammalia, Vol. I. in cloth boards. Plain, 11. 9s.; coloured, 11. 14s. 6d. London: H. Baillière, Publisher, 239, Regent-street.

Just published, for the Use of Schools, price 2s. 6d.

A STATISTICAL MAP of ENGLAND and WALES.

By T. KENTISH.

Exhibiting, in addition to everything contained in the usual

maps, an immense mass of local information, arranged on a plan

entirely new, and calculated to make a rapid and permanent

impression on the Memory. By its use, the situations of Towns,

and other important places, the principal Trading Ports, Fishing Stations, Breeds of Animals, &c. are impressed upon the mind with greater facility than the places alone by the aid of the usual maps: indeed, it may be safely stated, that more knowledge will be acquired from it in a month or two by twenty minutes' perusal than can be obtained from others in any length of time whatever.

Relfe & Fletcher, 15, Cloak-lane.

Just published, by Relfe & Fletcher, 15, Cloak-lane.

FRENCH PHRASEOLOGY; or, ORAL EXERCISES in Conversational FRENCH SYNONYMS and Idioms, intended as a Vocabulary or Phrase Book for the Use of those who have already made some progress in the French Language.

By H. STEIN TURRELL, Head Master of the Brighton Proprietary Grammar School.

Price 4s.

This day is published, in 1 vol. 8vo. illustrated with several

Plans and Diagrams, price 2s. 6d. in cloth.

A TREATISE on RAILWAY SURVEYING and LEVELLING: in which the Author has endeavoured to simplify the most approved methods now adopted by Surveyors.

By JOHN QUESTED, Surveyor.

Author of a Treatise on 'The Art of Land Surveying.'

“ This is a practical work, and cannot fail in these days of universal surveying to be highly useful. Its instructions are at once clear and concise.”—*Railway Record*, May 6.

LITERARY EDITION.

Now ready, in 2 vols. small 8vo. cloth, price 7s. 6d.

THE COUNT OF MONTE CHRISTO.

A ROMANCE. By ALEXANDRE DUMAS.

“ The Count of Monte Christo, amongst the best of Dumas

Works, in abundance and variety of incident it is marvellous,

and it is a bold, full, and rapid tale with a

bold, artistic individuality of the modern school.

The original estimate of the elaboration is as masterly as the fertility of invention is surprising, and the descriptions of persons, of accessories, and

scenery, are as vivid as pictures.”—*Spectator*.

Belfast: Simms & M'Intyre. London: W. Orr & Co. Liverpool: George Philip. Edinburgh: John Murray. Glasgow: Richard Griffin & Co. Dublin: Cumming & Ferguson;

21, Dean-street.

MERYN SPARROW, Proprietor.

XUM

8, NEW BURLINGTON-STREET, Oct. 10, 1846.

MR. BENTLEY'S  
NEW PUBLICATIONS.

In 8vo. with Portraits.  
**MEMOIRS OF THE LIFE AND TIMES OF  
SIR CHRISTOPHER HATTON,  
K.G., VICE-CHAMBERLAIN AND LORD CHANCELLOR  
TO QUEEN ELIZABETH.**

Including his Secret Letters to the Queen, and the Correspondence of the most distinguished Statesmen and other Eminent Persons of the Period, now first published from Original MSS. in the State Paper Office and British Museum and his own "Letter-book."

By SIR HARRIS NICOLAS, G.C.M.G.

IL.

In 2 vols. 8vo, with Map, &amp;c.

**A CANOE VOYAGE TO THE  
SOURCES OF THE GREAT NORTH-WEST,  
ERN TRIBUTARY OF THE MISSISSIPPI,  
CALLED**

MINNAY SOTOR; or, ST. PETER'S RIVER.

Containing a Detailed Account of the Stratification of the Lead and Copper Deposits in Wisconsin; of the Gold Region in the Cherokee Country, with Popular Sketches of Manners, &c.

By G. W. FEATHERSTONHAUGH, F.R.S. F.G.S.  
Author of "Excursions through the Slave States."  
(Just ready.)

III.

In 2 vols. 8vo. with numerous Engravings,  
**A PILGRIMAGE TO THE  
TEMPLES AND TOMBS OF  
EGYPT, NUBIA, & PALESTINE,  
IN 1845-6.**

By MRS. ROMER,  
Author of "The Rhone, the Darro, and the Guadalquivir,"  
'Sturmer,' &c.

IV.

In 2 vols. 8vo.  
**AN ANTIQUARIAN RAMBLE IN  
THE STREETS OF LONDON,  
WITH ANECDOTES OF THEIR MORE CELEBRATED  
RESIDENTS.**

By JOHN THOMAS SMITH, Esq.  
Late Keeper of the Prints in the British Museum. Author of "The Life of Nollekens," and "A Book for a Rainy Day."  
Edited by CHARLES MACKAY, LL.D.  
Author of "Memoirs of Extraordinary Popular Delusions," &c.

V.

In 4 vols. post 8vo. with Portraits of EDWARD THE FOURTH,  
RICHARD THE THIRD, HENRY THE EIGHTH, and CHARLES  
THE FIRST, engraved from Original Pictures in the possession  
of the DUKE OF NORTHUMBERLAND, and other Collections.

**SIR HENRY ELLIS'S NEW SERIES OF  
ORIGINAL LETTERS  
ILLUSTRATIVE OF ENGLISH  
HISTORY.**

\* The first two or last two Volumes may be had separately  
to complete sets.

TO BE HAD AT ALL THE LIBRARIES.  
**THE NEW NOVELS,  
BY POPULAR AUTHORS.**

**A POET'S BAZAAR.** By H. C. ANDERSEN,  
Author of "The Improvisatore." From the Danish, by CHARLES  
RECKWITH, Esq. 3 vols. with a Portrait and Memoir of the  
Author.

VI.

**LIONEL DEERHURST:** or, FASHION-  
ABLE LIFE UNDER THE REGENCY. Edited by the COUN-  
TESS OF BLESSINGTON. 3 vols.

VII.

**RAVENSNEST;** or, the REDSKINS. By  
J. FENIMORE COOPER. Esq. 3 vols.

VIII.

**SECOND LOVE.** From the NOTE-BOOK  
of a TRAVELLER. 3 vols.

V.

**SECOND EDITION** of the DÉBUTANTE;  
or, the LONDON SEASON. By MRS. GORE. 3 vols.

VI.

**EVELYN STUART;** or, RIGHT VERSUS  
MIGHT. A NOVEL OF THE DAY. 3 vols.

VII.

**MY COUSIN NICHOLAS.** By THOMAS  
INGOLDSBY. New Edition, in 1 vol. price 6s. neatly bound and  
embellished.

VIII.

**JOHN OF ENGLAND: A ROMANCE.** By  
HENRY CURLING, Author of "The Soldier of Fortune." 2 vols  
(Just ready.)

**RICHARD BENTLEY,** New Burlington-street.  
(Publisher in Ordinary to Her Majesty.)

## NEW WORKS.

DOUBLEDAY AND HEWITSON'S BUTTERFLIES.

**The GENERA of DIURNAL LEPI-**

DOPTERA. Comprising their Generic Characters, a Notice of the Habits and Transformations, and a Catalogue of the Species of the Genus. By E. DOUBLEDAY, Esq. 2 vols. 8vo. 20s. The Zoological Department of the British Museum. Imperial 4to. uniform with Gray and Mitchell's Ornithology, illustrated with 75 coloured Plates, by W. C. HEWITSON, Esq. Author of "British Oology."

\* To be published in Monthly Parts, 5s. each; each Part to consist of Two coloured Plates, with accompanying Letter-press, giving the Generic Characters, a Short Notice of the Habits, and a Catalogue of the Species of each Genus.—Part I. will appear on the 2nd of November.

Baron HUMBOLDT'S COSMOS. Translated, with the Author's sanction and co-operation, under the superintendence of Lieut.-Col. E. SABINE, R.A. For. Sec. R.S. Vol. I. Post 8vo. 12s.

"The present translation was undertaken in compliance with the author's wish, and is ably executed, reading like an original work."—*Spectator.*

\* The Second Volume is in the press.

Dr. R. D. THOMSON'S EXPERIMENTAL RESEARCHES on the FOOD of ANIMALS and the FATTENING of CATTLE; with Remarks on the Food of Man. Cap. 8vo. 5s.

"The question of the origin of the fat of animals appears to be completely resolved by these beautiful and elaborate experiments."—*Bacon Liebig.*

Dr. A. VON BAHIR'S HAND-BOOK of HUMAN ANATOMY. Translated and adapted for English Students, by J. BIRKETT, F.L.S. 16mo. [Nearly ready.]

SANDHURST MATHEMATICAL COURSE. Prof. J. NARRIEN'S ANALYTICAL GEOMETRY and PROPERTIES of CONIC SECTIONS. For the use of the Royal Military College, Sandhurst. 8vo. 5s. 6d.

Also, forming Vols. I., II., III., and VI. of the Course, ARITHMETIC and ALGEBRA. By Prof. SCOTT. 16s.

ASTRONOMY and GEODESY. By Prof. NARRIEN. 14s.

GEOMETRY. By Prof. NARRIEN. 10s. 6d. TRIGONOMETRY and MENSURATION. By Prof. SCOTT. 9s. 6d.

ZUMPT'S SCHOOL LATIN GRAMMAR. Translated and adapted by Dr. L. SCHMITZ. With a new Preface by Prof. ZUMPT. 12mo. 4s.

ZUMPT'S LARGER LATIN GRAMMAR. Translated and adapted by Dr. L. SCHMITZ; with the Author's sanction and co-operation. 8vo. 14s.

"The best Latin grammar in existence.—A work that ought to be in the library of—not only every Latin student, but every Latin scholar."—*Athenæum.*

Mrs. H. AYRE'S LADY'S PRACTICAL ARITHMETICIAN; or, Conversational Arithmetic. New Edition. Cap. 8vo. 5s.

\* A KEY to this work is in the press.

Dr. W. C. PERRY on GERMAN UNIVERSITY EDUCATION. New Edition; with an Account of the Public Schools of Prussia. 12mo. 4s. 6d.

"There is much curious information in the volume, especially with reference to the question of state education."—*John Bull.*

LETTERS to my UNKNOWN FRIENDS. By A. LADY. Cap. 8vo. 6s. 6d. [On Thursday next.]

Letter 1, Contentment; 2, Temper; 3, Falsehood and Truthfulness; 4, Envy; 5, Selfishness and Unselfishness; 6, Self-control; 7, Economy; 8 and 9, Cultivation of the Mind; 10, Amusements.

SOUTHEY'S LIFE OF WESLEY. New Edition, with Notes by COLERIDGE, and other Additions. Edited by the Rev. C. C. SOUTHEY. 2 vols. 8vo. Portraits, 2s.

The RELIGION of ANCIENT BRITAIN HISTORICALLY CONSIDERED. By GEO. SMITH, F.A.S. and R.S.L. New Edition. 8vo. 7s. 6d.

By the same Author.  
PERILOUS TIMES; or, the Aggressions of Anti-Christian Error on Scriptural Christianity. Cap. 8vo. 6s.

The FAWN of SERTORIUS. 2 vols. Post 8vo. 12s.

"A remarkable book; distinguished by great vigour of conception, and alternate force and delicacy of execution."—*Spectator.*

London: LONGMAN, BROWN, GREEN, and LONGMANS.

MR. COLBURN'S  
NEW PUBLICATIONS.

Now Ready.

Vol. 6 of MADAME D'ARBLAY'S DIARY and LETTERS. 10s. 6d. bound, embellished with a Portrait of Madame de Staél.

II.  
**CANADA and the CANADIANS** in 1846. By Lieut.-Colonel Sir RICHARD BONNYCASTLE. 2 vols. 21s. bound.

III.  
**BURKE'S HISTORY of the LANDED GENTRY of ENGLAND, SCOTLAND, and IRELAND.** Complete in 2 vols. royal 8vo. 25. 10s. bound.

IV.  
**The NELSON LETTERS and DESPATCHES.** Complete in 7 vols. 8vo. M. 11s. bound.

V.  
**The HISTORY of MARY ANNE WELLINGTON;** the Soldier's Daughter, Wife and Widow. By the Rev. R. COBBOLD, M.A. Author of "The History of Margaret Catchpole." Dedicated, by permission, to Her Majesty the QUEEN DOWAGER. 3 vols. with illustrations, 31s. 6d. bound.

VI.  
**The NEMESIS in CHINA.** Comprising a complete History of the War in that Country, with a particular Account of the Colony of Hong-kong. Third and cheaper edition, in 1 vol. with Maps and Plans. 12s. bound.

VII.  
**AGNES STRICKLAND'S LIVES of the QUEENS of ENGLAND;** comprising MARY of MODENA, Consort of James II. 10s. 6d. bound.

VIII.  
**TRAVELS and TRAVELLERS.** By Mrs. TROLLOPE. 2 vols. 21s. bound.

IX.  
**HOCHELAGA;** or, England in the New World. Edited by ELIOT WARBURTON, Esq. Author of "The Crescent and the Cross." 2 vols. small 8vo.

"We recommend 'Hochelaga' most heartily, in case any of our readers may as yet be unacquainted with it. It is a very meritorious composition. The author's principles and feelings appear to be in every respect those of an enlightened English gentleman."—*Quarterly Review*, October.

X.  
**LORD BROUGHAM'S LIVES of MEN of LETTERS and SCIENCE.** Volume the Second. Royal 8vo. with Portraits, 21s. bound.

XI.  
**SECOND SERIES of the STANHOPE MEMOIRS,** comprising the Seven Years' Travels of Lady Hester Stanhope. 3 vols. with illustrations, 31s. 6d. bound.

XII.  
**PETERSBURGH and MOSCOW.** A Visit to the Court of the Czar. By R. SOUTHWELL BOURKE, Esq. 2 vols. 21s. bound.

## THE NEW NOVELS.

Just ready, in 3 vols.

## MEN OF CAPITAL.

By Mrs. GORE, Author of "The Banker's Wife," "Peers and Parvenus," &amp;c.

Now ready, in 3 vols.

## THE ROMAN TRAITOR.

A TRUE TALE OF THE REPUBLIC.

By H. W. HERBERT, Esq.

Author of "Oliver Cromwell."

DEDICATED TO THE REV. E. C. HAWTHREY, D.D. HEAD MASTER OF ETON COLLEGE.

HENRY COLBURN, Publisher, 13, Great Marlborough-street.

\*\* Orders received by all Booksellers.

LONDON, SATURDAY, OCTOBER 10, 1846.

## REVIEWS

*Paulio: an Essay towards the Formation of a System of Universal Language, both Written and Vocal; with Suggestions for its Dissemination throughout the World.* By the Rev. E. Groves. Orr & Co.

The revival of a subject so curious, and once commanding so much attention from the learned, as that here treated of, has the merit of a novelty,—for these days at least, and in England. In times so eminently practical, the reader may be provoked to smile at what he may regard as the most visionary of speculations:—yet is it one which at no distant period occupied the minds of the most profound thinkers in the world of letters. A subject which could occupy such writers as the Jesuit Kircher and our Bishop Wilkins, must have something intrinsically to recommend it; and we willingly suffer ourselves to be diverted somewhat out of our usual critical routine, to a matter calculated both to exercise and gratify the fancy. That his system—which must have cost him long protracted study—is as feasible in practice as rational in its theory, is the fixed persuasion of Mr. Groves's mind,—no more to be shaken by argument than Prince Henry's Welsh blood was to be washed out by “all the waters of the Wye.” Success to all heroes who mount their hobbies!—that is, when they do not ride over us, but promise to yield us entertainment, and even instruction, by their intellectual equitation.

Mr. Groves is sadly discouraged at “the diversity of characters and sounds employed, to express the same idea, by the several nations into which the great human family is divided;” and he justly regards this as “a main obstacle to the advancement of learning and the progress of civilization.” Think for a moment on the vast number of distinct languages—with distinct characters, for the most part—in which knowledge is locked up, and rendered inaccessible to all but a small fraction of the great human unit. In his ‘Mithridates,’ Adelung gives us a list of some five hundred;—but there are probably that number in Asia alone, as many in Africa, and even more in America and Oceanica. Balbicones nearer to the truth when (in his ‘Atlas Ethnographique’) he raises the number to full two thousand. The following estimate embraces scarcely half the number, but as many as have yet been ascertained:

Languages.	Population according to Balbi.	Average.
Europe ....	53	227,700,000
Asia ....	143	390,000,000
Africa ....	115	60,000,000
America ....	482	39,000,000
Oceanica ....	117	20,300,000
	910	737,000,000

We may incidentally observe, that the population assigned to each of these divisions is much under-rated; especially those of Asia and America—and perhaps Africa. But the number of languages, as we have said, may be more than doubled without any risk of exaggeration. In Australia alone there are probably a hundred:—this, at least, is certain, that natives living twenty miles apart cannot make themselves reciprocally understood. Nor is the case very different in Africa. Mr. Walker, in his ‘Missions in Western Africa,’ says—

“Such is the general similarity that exists among the negro population of Western Africa, where there is enough of distinct feature to characterize each people and nation, especially the language of each, which is commonly so dissimilar to the others, as to be not merely a different dialect, but an essentially different language. Bosman observes—‘Though the Gold Coast is not extended above 200 miles in length,

yet we find there seven or eight several languages so different, that three or four of them are interchangeably unintelligible to any but the respective natives. The negroes of Janmore, ten miles above Axim, cannot understand those of Egira, Abocroe, Ancober, and Axim.’ The Mandingo tongue is difficult to acquire, abounding in gutturals; but it is the most commonly understood language throughout the whole region of Western Africa. By the intercourse of foreigners, however, with the coast, a kind of Lingua Franca has been produced, sufficient for the purposes of trade.”

Then of the dialects,—some differ as much from the (reputed) parent stock as the English from the Latin. At a random guess (for conjectures of this kind must be speculative), the number of these has been computed at 11,000,—and it is probable that this computation falls far short of the amount. In his ‘Linguarum totius Orbis Index,’ Vater finds those of which there are grammars or dictionaries to amount, alone, to 329;—a number which at the present day may be safely raised to 400. These, of course, have, with few exceptions, characters of their own; and the diversity of their characters is, doubtless, one of the greatest obstacles which oriental students have to encounter. We are told that of this latter class of languages eight are monosyllabic,—“the Chinese, Tibetan, Birman, Arkanese, Peguan, Siamese, Cambayan, and Anamite, or Cochinchinese,—to which may, perhaps, be added the Corean.” Yes; and two or three more in the New World,—the Cree, for instance, of which a grammar has been recently published by an old servant of the Hudson's Bay Company: and the case is the same, we believe, in regard to more than one language spoken in the Mexican and Peruvian territories. These languages, however, have no written characters.

What created intelligence, then, could hope to unlock all these doors of knowledge—for knowledge there is hiding amid the intricacies of the poorest of them all. In our school-days most of us have had a hard enough fight with only Latin and Greek; and if, in addition, we have laid in a store of French and German, we elect ourselves scholars whether our universities have done so or not. Yet, had we read *all* the books which these languages contain, we should have drawn but a bucket-full from the ocean of general information. Between most nations, therefore, knowledge may truly be said to be incomunicable. Nor is this the worst evil. It was long ago observed by the celebrated Augustine (Bishop of Hippo—we must distinguish him from the English Apostle) that “linguarum diversitas hominum alienat ab homine.” The diversities of language separate men, as the want of it does the beasts of the forest. Nay, the same author observes, that the beasts are more communicable than men ignorant of each other's language. “Nam si duo sibi invicem fiant obviā, neque præterire sed simul esse aliquā necessitate cogantur, quorum neutrō nō lingua alterius, facilius sibi animalia muta, etiam diversi generis, quā illi, cum sint homines ambo, sociantur.” How great an impediment to the diffusion of civilization is this want of a common medium for its most familiar and comprehensive expression!

Struck with the impossibility of intercommunication between nations, and the individuals of nations, thus *toto caelo* divided by the very instrument which should be that of communication—speech, many writers have sighed for the adoption of a common tongue. As it would be hopeless to attempt making nations agree to the selection of any one—each having probably a prejudice in favour of its own—it has been proposed to construct a symbolical language, on principles easy to be recognized by

all. Is such construction possible?—and, if so, could its principles be rendered so demonstrably clear and advantageous as to insure its adoption by the world at large? There have been great names on both sides of the argument. Mr. Groves, of course, is for the affirmative. He contends, not only that the invention is possible,—which has been contended long before his time by some dozen of theorists, each of whom has manufactured what he calls a universal language,—but that he himself has produced a scheme of communication which, whether for vocal or written purposes, is wholly unexceptionable. If mankind be not downright fools, he is of opinion that it ought to be adopted by every nation on earth. His invention is not one of words or their meanings—but of a symbolic mode of intercourse applicable to all languages, and therefore to any one that might subsequently be selected as the grand universal medium of communication. This preference of the symbolic to the alphabetical system is designed to supersede all other systems,—in like manner as the Arabic notation (so recently introduced into Europe) has banished the old Roman forms. Not only does he consider that his scheme is capable of meeting the comprehensiveness of the case, but that it is the only one which could be devised capable of doing so. In the hieroglyphic system, however plainly the visible representations may appeal to our senses, the characters had, now a conventional, now a recondite meaning, to which the external figure bore little relation:—

“Three modes of forming a written language have been devised and reduced to practice—the hieroglyphic, the alphabetic, and the symbolic. By the hieroglyphic an attempt was made to convey ideas of corporeal objects by delineating their figures, and of intellectual objects, which are not the immediate objects of sense, by emblematical or figurative allusions to such as are corporeal; but this mode of writing is so obscure and defective that it has been practised only for special purposes, and is now falling altogether into disuse. The alphabetic mode of writing is an attempt, not to form a language, but merely to convey an idea of sounds from one person to another by means of the eye; to effect which, a very circuitous mode of procedure has been adopted, subjecting those who use it to great labour and inconvenience. Its invention indicates a powerful effort of human ingenuity; but, like the large and complicated machines that have been the first results of the mechanical inventions of ingenious men, the object to be accomplished is attained in an awkward and tedious manner. For in constructing this mode of notation it is necessary, first, to devise certain marks or characters to denote all the simple sounds of the human voice; these are called vowels, and in English are six, A, E, I, O, U, Y. By their aid an imperfect approximation has been made to the delineation on paper of the sounds they are intended to express. Secondly, For the purpose of marking the various ways by which these sounds can be modified, another set of letters called consonants, and in English named B, C, D, N, &c., has been contrived. These vowels and consonants we are taught to combine into syllables and words with much labour and art, so that we are at length enabled, by means of a complication of rules and of exceptions to these rules, to express, by the voice, in an intelligible, though imperfect manner, the sounds indicated by the letters. The symbolic mode of writing, which constitutes a language that has no necessary connexion with sound, is constructed precisely after the same manner that oral language must have been originally formed in every instance, a distinct mark or character being made to denote every distinct idea, exactly as a distinct sound, or modification or combination of sounds, expresses a distinct idea in oral language. In both cases the arrangement is arbitrary; and the signs made use of have a definite meaning only by being constantly employed to denote the same thing. Hence, it is evident that there is one great and radical distinction between the alphabetic and symbolic mode of writing.

The former must be confined, in the first instance, to those persons who make use of one oral language only, and can be made to extend to none but those languages the knowledge of whose alphabetical language has been already acquired; whereas no such necessity exists as to symbolic notation, because its characters have a meaning totally unconnected with sounds of any kind, and therefore those who understand the characters can express the ideas they convey by any sounds that they have been accustomed to employ in their own oral language to denote the same object."

But is the general adoption of the hieroglyphic system at all practicable?—

"The great question, however, still remains, as to the practicability of such a language. In taking a cursory survey of the literature of various nations, it appears that this system has been adopted to a considerable extent in China, and has even spread itself into the surrounding regions. The languages of Japan, Siam, and Cochin-China are radically different from one another and from the Chinese, each of them being alphabetic, and the inhabitants of none of them understand the language spoken by any of the others; yet, books written by the Chinese are understood by the Japanese, Siamese, and Cochin-Chinese as well as by the natives of China themselves; and the individuals of each country can correspond freely with one another through its medium."

Again:—

"In the eastern regions of Asia the advantage of using a written language familiar to its numerous nations, each speaking in a dialect of its own, is fully and extensively recognized. The written language of the Chinese, as has been already repeatedly remarked, is used as an organ of mutual communication, not only through the whole of China Proper, almost every province of which has its own peculiar vocal language, but also by the Japanese, Koreans, Annamites, Tibetans, and other nations in that part of the continent, and likewise in many of the large and thickly spread islands in its neighbourhood. It has been estimated that, on a moderate calculation, the Chinese written language is the ordinary mode of communication adopted by upwards of three hundred millions of souls,—number far exceeding the total population of Europe."

The illustration drawn from the written language of China is certainly of some weight,—as it proves how generally a particular system of symbols may be received. And if actually received (as we are told it is) by a third of the human race, why might not a better be yet more extensively adopted?

But it ought to be observed, in qualification, that this almost universal agreement, in the case in question, is owing to anything rather than a mere conventional understanding,—to identity of race, similarity of religion, affinity (so far as roots are concerned) of language, and in some degree to political, if not social, intercourse.

Of the various systems which have been publicly proposed, there are several which have attracted great notice,—but none has been judged calculated for universal reception. The first of which we have any detailed account was the production of a Spanish Jesuit, about the middle of the seventeenth century. It was founded on the arithmetical numbers, both Roman and Arabic—the former denoting the genus, the latter the species; and the designation of the individual, no less than of grammatical accidents, being left to certain dots, points, and marks of various kinds. This scheme was deficient in two great essentials—comprehensiveness and clearness; and it was by no means easy of acquirement. Its author was followed by a Frenchman (also anonymous), whose system is stated in the works of Des Cartes. This worthy went so far as to devise a grammar and dictionary of a wholly new language; the former so regular in its forms (the conjugations and declensions being determined by affixes and suffixes) as to be learnt in six hours,—the latter

so uniform in its relations as to set error and obscurity at defiance. But the grand objection to this scheme was, that it involved the necessity of fixing in the memory some thousands of words;—and everybody reasonably thought that, however philosophical in its construction the new mode of communication might be, the time which it required would be better employed in mastering one already known.—Contemporary with both the preceding, and indebted to neither for his plan, was an Englishman (a native of Ipswich), Mr. Cave Beck—who beat the Frenchman hollow:—

"The characters chosen by him are the ten Arabic numerals,—1, 2, 3, 4, 5, 6, 7, 8, 9, 0,—which he proposes to pronounce, *am*, *too*, *tray*, *for* or *so*, *fa*, *sie*, *sen*, *at*, *in*, *o*. The combinations of these characters, intended to express all the radical words in any language, are to be arranged in numerical order, from unity to 10,000, which number he thinks sufficient to express all words in general use, and to each number is to be annexed the word in any language, as English, of which it is the symbol, thus forming a numerical vocabulary. The same words are also to be arranged in another vocabulary, in the alphabetical order of the language they belong to, each having affixed to it the number that stands for its symbol in the former vocabulary. Thus each of these serves for a key to the other. Hence it appears that every language must be supplied with two vocabularies,—the one numerical or symbolical, the other alphabetical. There is also to be a list of about 200 supplementary characters, to be used for the parts of compound words most frequently repeated, as *in*, *mis*, *con*, *trans*, &c., and for such simple words as are in most frequent use: these are to be expressed, not by numbers, but by monosyllabic words fixed upon arbitrarily. The accidents of speech, or the grammatical modifications of words, are to be expressed by letters of the alphabet."

In 1661, a German (Becher) published in Latin a treatise on 'The Universal Character'; but as his system is substantially the same as Beck's, it need not be detailed. Far more celebrated was the attempt of Dalgarno, a Scotchman, (1661,) to introduce a universal language. Being resident at Oxford, of considerable philological reputation, and personally acquainted with men of station and influence, he had little difficulty in obtaining for his system the suffrages of many, and even the support of royalty; which went so far as to recommend him, by a circular letter, to the notice of the people at large, and especially of the clergy. The result was, a work which Mr. Groves does not very clearly explain; and which, in fact, was too elaborately constructed to be made intelligible without more space and attention than will be yielded in these days. The very learned Kircher unfolded his scheme of universal language to the Emperor Frederick III.: but, though he subsequently published (1663), the copies struck off were so few, that not one of them is to be found in most of the great European libraries. In 1668, appeared an ample folio from the pen of a man little inferior to Kircher—Wilkins, then Dean of Ripon and afterwards Bishop of Chester. His system is also too elaborate and complicated for analysis here. Mr. Groves himself does no more than advert to its leading characteristics, in terms so general as to be nearly useless. An Hungarian gentleman, Kalmar (1772), pursued a different course. Taking from various languages (especially the Malabar) about four hundred letters and characters, he proposed "by means of certain lines and points attached to each, to deduce short and significant expressions for every combination of thought requisite for the free communication of social intercourse on any subject whatsoever." But let us hear his own explanation:—

"Wishing to express a notion of any word, whether Latin or Greek, Hebrew or Arabic, English,

Flemish, or German, &c., I have borrowed from the same language the character intended to convey the idea implied by that word; and, in doing so, I have chosen sometimes the first, sometimes the last, and sometimes one of the middle letters of it: thus, the character for *help*, *aid*, *assistance*, &c. is *e*, from the Latin word *subsidium*: for *power*, *strength*, &c., *i*, from the Greek *δύναμις*; for *the will*, *λ*, from the Greek *θέλημα*; *truth*, *certainty*, and all its correlative, *as*, *certainly*, *indeed*, *yes*, *it is believed*, *he believes*, *he induces belief*, *he persuades*, &c., *j* from the Hebrew *מֹשֶׁן* *amen*. *Man* is expressed by *homo*, which letter, it is to be observed, also forms a part of every idea appertaining to humanity in numerous languages; the Hungarians have it in *ember*, the Hebrews, Turks, and others in *adam*; the Greeks in *μάνικος*, &c.; to write, *writing*, with all its correlative, *as*, *a manuscript*, *a book*, *a roll*, *an inscription*, &c., by *r*, from the Latin *scriba*. I also make use of all the well known characters used by physicians, chemists, and mathematicians, and even some of the Egyptian hieroglyphics."

We need not dwell on the systems which immediately followed Kalmar's: but will come, at length, to that of Mr. Groves. With him,—

"The basis of the written character is a straight line, with a circular projection at one end. The circular part admits of nine variations, by means of the addition of lesser circles attached to it in different positions. Where the character is required to be of very small size, these lesser circles may be expressed by dots."

In other words, the basis of a most elaborate system is a line with a hook at the top,—the latter being so bent as to join the line. It somewhat resembles the crutch worn by our grandfathers, and more nearly the bishop's staff. A difference in the bend of the crutch is made to represent all the consonants in the alphabet. But there are also twenty "appendages of the secondary order,"—as the author calls them; that is, fantastic twirls in the bend of the crutch to the left of the line:—

"As each of the eighteen characters of the primary series may have one of the twenty appendages of the secondary series attached to it, the compound character thus formed may be made to assume eighteen times twenty, or 360 distinct characters."

This is not all. There are other methods of constructing the crutch in addition to the perpendicular; such variation being highly significant:—

"By placing any one of these compound characters in different positions round a common centre, so as to correspond with the eight principal points of the mariner's compass, it may be made to stand for eight different words; thus making the total number of characters produced either by change of form or of position 2,880; and further, by reversing the position of the circular head and its posterior appendage, that is, by turning the circular head to the left, and its posterior appendage to the right, 2,880 additional characters are produced, making a total of 5,760 characters."

This is a marvellous scheme! Here characters stand for vocal sounds; and rules are afterwards suggested for their endless combination, so as to answer all the purposes of language.

We must repeat, that by universal language, our readers are not to understand *new words*,—a new dictionary; but a new method of communicating in any existing language so as to be deciphered by all nations—however remote in speech, clime, or character—initiated into the system. But were this achieved, the great difficulty would still remain:—what particular language shall be adopted for this universal intercourse? It would be nearly useless to have the symbol only, without the sense of the words which it is intended to signify. In this respect, Mr. Groves, as already observed, has no ambition to imitate one at least of his predecessors, who shrank not from inventing words and their significations.—The Latin might, perhaps, for the purpose, be, most advantageously, restored

to its former state, and would be spoken with facility, and complicity, by the Amazons. We were it, character, ligious, but the "comissionary of the favours direct plan, derate it is necessary, comm desired a true The D By the C together bly a opening Hoare, work, urn, or The sk in chal the sku all the every exempl whate dium Whence and its by a rably with t Brachm Chalde The open a of their Duke aborigi asks, compa templa The continu of slab- milled hours. Orkney stone, —will such to with and Den but, alt the fore groves I presu with them n let them ment of the mos Dan ev the siec peet, th woods that al Mr. Phoenix

to its former universal use; but if some living tongue were to be adopted, the preference would properly be given to that most generally spoken, the Chinese, were its structure less complicated. As a language, perhaps the English has the best claim;—but who, excepting the Americans, would be made to think so?

We should rejoice as much as Mr. Groves, were it practicable, to see a common system of characters adopted by the literary, political, religious, and commercial portion of all nations; but the hope of its universal application as a "common denominator" is reserved for visionaries like Mr. Groves. So convinced is he of the feasibility of such a scheme, that he favours both governments and people with directions for the immediate adoption of his own plan. Well-organized societies, with even moderate funds, can, he assures us, effect all that is necessary;—at least they can make such a commencement as *must* lead to the grand result desired. Difficulties are nothing in the way of a true theorist:—they "vanish at his touch."

#### *The Druidical Temples of the County of Wilts.*

By Rev. E. Duke. Smith.

The Celtic tumuli of the Wiltshire Downs, together with Stonehenge and Abury, were probably antique even in the days of Caesar. At the opening of many hundred barrows by Sir R. C. Hoare,—at which Mr. Duke, the author of this work, was present—not a single Roman coin, urn, or fragment of pottery was discoverable. The skeletons found in them were immured in chalk, and had been remarkably preserved; the skulls retaining all the teeth—and the teeth all their enamel. The bones were those of every age. When compared with the living exemplar, they showed that the ancient race, whatever their powers, exceeded not the medium height of man in the present day. Whence, of course, it follows, that Stonehenge and its neighbouring temples were not erected by a race of giants. Their architects were probably the Druids—priests of a religion coeval with that of the Persian Magi, the Indian Brahmins, and the Chaldees of Babylon and Chaldea.

The temples of the Druids were in the most open and champaign countries. The tradition of their resorting to woods and groves, Mr. Duke holds to be untenable. Assuming the aboriginal existence of the groves, "why," he asks, "should the Romans have rooted up the comparatively unoffending trees, and left the temples standing?"

"The temple of Rowlright, for instance," he continues, "well known to me, a cirque, consisting of slab-like lamellar stones, could with ease be demolished by a man with a sledge-hammer, in a few hours. In the Isles of Scilly, the Hebrides, and the Orkneys, my readers will find ancient temples of stone—but will they meet with woods and groves?—will they aver, will they believe, that at any time such temples in those sites were ever surrounded with woods and groves? Again, in Russia, Sweden, and Denmark, they will find these venerable temples; but, although they may meet in those northern climes the forests of pine, yet will they find concomitant groves of oak clothed with the parasitic mistletoe? I presume not. Let them, however, not be satisfied with my assertions; let them satisfy themselves, let them range the native forests and woods of Britain, let them extend their travels throughout the continent of Europe, let them again and again explore the most secret recesses of its forests and woods, from Dan even to Beersheba, for a peregrination equal to the siege of Troy; and yet I suspect, I strongly suspect, that, so far as regards stone temples, seated in woods and forests, they will, on their return, exclaim that 'all is barren.'"

Mr. Duke believes that the Druids were Phenician priests—and innocent of the savage

atrocities which have been charged on them by the Romans. They were probably Pythagoreans—or rather the predecessors of the disciples of Pythagoras; which latter sage, visiting Egypt and the neighbouring states, received from them the principles contained in his "golden verses":—

"The Druids were indubitably the wisest of the wise, the most learned of their times; they were intimately skilled in astronomy and astrology, were well versed in the mechanic powers; they excelled in jurisprudence; and, by their superior influence, they held an omnipotent sway over the minds and actions of the multitude around them. They were well versed in Natural History, and the medicinal properties of plants, of which, it is said, they venerated more especially the mistletoe and the vervain. I do not wonder that so curious and anomalous a parasite as the mistletoe engaged the attention of the Druids, but I cannot conceive how the vervain, regarded now as a weed, merited their regard; but God creates nothing in vain, and this humble plant may have possessed virtues of which we are now ignorant,—yet certain it is that the vervain is not included in the *Materia Medica* of the present day. The astronomy of the Druids, however, is that portion of their extensive science which will shine forth most conspicuously in the interesting investigation of their temples of Abury and Stonehenge, &c. Pomponius Mela thus bears testimony to the astronomical knowledge of the Druids. In his description of the exterior coast of Gaul, we find these words:—'Habent tamen et facundiam suam magistroso sapientia Druidas. Hi terra mundique magnitudinem et formam motus celi ac siderum ac quid Dei velint sciare profitentur.' Caesar thus speaks to the same effect:—'Multa praeter de sideribus atque eorum motu, de mundi ac terrarum magnitudine, de rerum natura, de deorum immortalium vi ac potestate disputant, et juveni tradunt.' The druidical temples of Wilts, the Pyramids of Egypt, and the caves of Elora in Asia, were probably contemporary works, or nearly so. The temples were planned and constructed under the able superintendence of the British Druids; the mighty Pyramids owe their origin and scientific formation to the Egyptian priesthood; and the caves of Elora were fashioned, without a doubt, under the superintendence of the early Brahmins of India. In these mighty works I do not imagine that recourse was had so much to the powers of machinery as, in these latter days, we may suppose. In these several cases the philosophic priesthood found the master-mind to plan, to rear, and to construct; whilst the vast, the willing, and the obedient multitude found the requisite powers to put duly those plans into execution,—for *UNION is POWER.*"

The whole of these Druidical architectural marvels represented, in the opinion of our archaeologist, the mundane system according to the ancient astronomy. "This *compages* of antiquities did represent the Sun and Moon (by their temples) traversing the northern portion of the zodiac, designated by the serpent, and revolving around Silbury Hill as denotive of the earth." In supporting this theory, the author has not a little drawn on his imagination: but his work is written with elegance, and his ingenuity is at least amusing.

*Memoirs, Official and Personal; with Sketches of Travels among the Northern and Southern Indians.* By T. L. M'Kenney, Esq. New York, Paine & Burgess.

Mr. M'Kenney's "History of the Indian Tribes of North America" has established his character as an author and a philanthropist:—in the work before us his chief object is to vindicate his reputation in policy and diplomacy from some of those malevolent attacks to which public men are everywhere exposed, but nowhere more than in the United States of America. In 1816 he was appointed, by President Madison, "Superintendent of the United States' Trade with the Indian Tribes;" and, in 1824 he was nominated to preside over a bureau of

Indian affairs, then for the first time organized in connexion with the Department of War. The change of office was symptomatic of a change of policy. It was in 1824 that the removal of the Indians to lands west of the Mississippi became a fixed principle with the American Government; and Mr. M'Kenney's first attempt in diplomacy was to try whether this measure could be effected by voluntary emigration. An interesting account, written by one of themselves, is given of the condition of the Cherokee before they were driven from their country to seek settlements in an unknown wilderness:—

"Numerous and flourishing villages are seen in every section of the country. Cotton and woolen cloths are manufactured here. Blankets, of various dimensions, manufactured by Cherokee hands, are very common. Almost every family in the nation grows cotton for its own consumption. Industry and commercial enterprise are extending themselves in every part. Nearly all the merchants in the nation are native Cherokees. Agricultural pursuits (the most solid foundation of our national prosperity,) engage the chief attention of the people. Different branches in mechanics are pursued. The population is rapidly increasing. In the year 1819, an estimate was made of all Cherokees. Those on the west were estimated at 5,000, and those on the east of the Mississippi at 10,000 souls. The census of this division of the Cherokees has again been taken within the current year, and the returns are thus made—native citizens, 13,563; white men married in the nation, 147; white women married in the nation, 73; African slaves, 1,277. If this summary of Cherokee population from the census is correct, to say nothing of those of foreign extract, we find that, in six years, the increase has been 3,563 souls. If we judge the future by the past, to what number will the Cherokee population swell in 1858? White men in the nation enjoy all the immunities and privileges of the Cherokee people, except that they are not eligible to public offices. In the above computation of the present year you perceive that there are some African slaves among us. They have been, from time to time, brought in and sold by white men. They are, however, generally well treated, and they much prefer living in the nation to a residence in the United States. There is hardly any intermixture of Cherokee and African blood. The presumption is, that the Cherokees will, at no distant day, co-operate with the humane efforts of those who are liberating and sending this proscribed race to the land of their fathers. National pride, patriotism, and a spirit of independence, mark the Cherokee character. The Christian religion is the religion of the nation. Presbyterians, Methodists, Baptists, and Moravians, are the most numerous sects. Some of the most influential characters are members of the church, and live consistently with their professions. The whole nation is penetrated with gratitude for the aid it has received from the United States government, and from different religious societies. Schools are increasing every year; learning is encouraged and rewarded. The young class acquire the English, and those of more mature age, the Cherokee system of learning. The female character is elevated, and duly respected. Indolence is discountenanced. Our native language, in its philosophy, genius, and symmetry, is inferior to few, if any, in the world. Our relations with all nations, savage or civilized, are of the most friendly character. We are out of debt, and our public revenue is in a flourishing condition."

A few months after this description was written, the Cherokees, under pretext of a treaty concluded with a few of their chiefs not authorized to act for the rest, were expelled from their beautiful country,—at the very moment when their advance in civilization made them cling to it more closely. Similar disregard was shown to the territorial rights of other Indians; and one chief object of Mr. M'Kenney's mission was to obtain satisfaction for deeds of violence committed by the tribes,—which he found to have been simple acts of retaliation. A troop of Indians formed part of the force under his command; but these were suddenly daunted by

a meteoric appearance in the sky—and would have turned back, if the capture of a rattle-snake and bear had not been received as counter-omens, revoking the previous demonstration of the will of the Great Spirit:—

"The ceremony of taking the snake and the bear, under these circumstances, was as follows: He who had first discovered the snake, made the usual signal that he had found one. This secured it as his property; when he addressed it thus: 'You are welcome, friend, from the spirit-land. We were in trouble; our friends there knew it. The Great Spirit knew it. You are come to bring us rest. We know what your message is. Take this offering of tobacco,'—taking a pinch of fragments from his pouch, and rubbing them to powder between his finger and thumb, he sprinkled it on the snake's head,—it will make you feel strong after your long journey.' Then reaching well down towards the tail, he ran his finger and thumb up the back of the snake, till they reached the neck, when, with a quick compression, he rose with the snake well secured, and giving it a jerk, broke every vertebra in the process. The head was instantly opened, the fangs carefully taken out, the skin taken off, and the body being quickly cut up into small pieces, was distributed to the Indians for their medicine-bags—thus furnishing a new antidote against evil agencies, should any happen, during the remainder of their march. The skin of the snake was seen in a few minutes after his capture, fastened by a root of the red cedar, called watup, to a lock of the captor's hair, the tail reaching down his back, and nearly to the ground. This was a proud trophy. While this snake capture, and what followed it, was going on, the bear was being disposed of. He who had made the discovery of the entrapped Bruin set up his claim, in like manner, by announcing more formally his discovery of the prize. The bear was also addressed in terms of congratulation, in which he was told that his visit was one of great interest. He was questioned as to the condition of the departed whose spirits he had left upon this his errand of love, and then told that he would soon have the pleasure of going back to them with messages; that if the manner of sending him there should be harsh, he must blame the white man for it, since it was at his call they had left their squaws and papooses to come into that country, &c. &c.; so calling to him a couple of his friends, he gave the order to fire, at the same time pulling the trigger of his own rifle, when Bruin receiving three balls, fell and died. He was soon released from the trap, skinned, quartered, cut up, and over the fires, in kettles, simmering away, preparatory to a feast, in which all joined. The obstacle to their march being now so clearly removed, and by the agency of friends from the spirit-land, and the Great Spirit himself, they announced their readiness to march on."

One of the outrages into which the mission had to inquire was the murder of a settler, named Gagnier, by three Indians, the chief of whom bore the name of "Red-Bird." The cause of this atrocity is thus candidly narrated:

"There had been great indignities offered to the band near the St. Peters, to which Red-Bird had become allied; and personal violence committed upon some of their leading men, and by those whose station ought to have taught them better,—and whose authority and power should have been differently exercised. The leading chiefs counselled upon those acts of violence, and resolved on enforcing the Indian's law—*retaliation*. Red-Bird was called upon to go out, and 'take-meat,' as they phrase it. Not wishing to appear a coward, he undertook the enterprise, secretly rejoicing that the business had been referred to him; for he resolved to make a circuit, and return, saying he could find no meat. He did so, and was upbraided, and taunted, and called 'coward,' and told he knew very well, if he had the spirit to avenge the wrongs of his people, he could, by going to the Prairie, get as much meat as he could bring home. This fired him, and he resolved to redeem his character as a *brave*! when beckoning to We-kau, and another Indian, he told them to follow him. They proceeded to the Prairie. Gagnier's was not the first house they entered, with the view of carrying out their purpose. If I mistake not, their first visit was to the house of Mr. Lockwood, who was

then absent. His interesting wife was at home, and her life was undoubtedly saved by the presence of an old Frenchman on a visit to her, who not only understood the Winnebago language, but knew the parties; and he, also, was known to them. They had respect for him—he had been their friend. So, after lingering about the house for a season, they quitted the premises, and crossed the Prairie to Gagnier's, and there executed their bloody purpose."

Red-Bird and We-kau voluntarily surrendered themselves, to save their tribes. The circumstances of receiving the prisoners were striking and picturesque; but we can only quote a portion of the description:—

"All sat except the speakers. The substance of what they said was—We were required to bring in the murderers. They had no power over any, except two—the third had gone away—and these had voluntarily agreed to come in, and give themselves up. As their friends, they had come with them. They hoped their white brothers would agree to accept the horses—of which there were, perhaps, twenty—the meaning of which was, to take them in communication for the lives of their two friends. They asked kind treatment for their friends, and earnestly besought that they might not be put in irons—and concluded by asking for a little tobacco, and something to eat. They were answered, and told, in substance, that they had done well thus to come in. By having done so, they had turned away our guns, and saved their people. They were astonished against placing themselves in a like situation in the future; and advised, when they were aggrieved, not to resort to violence, but to go to their agent, who would inform their Great Father of their complaints, and he would redress their grievances; that their friends should be treated kindly, and tried by the same laws by which their Great Father's white children were tried; that for the present, Red-Bird and We-kau should not be put in irons; that they should all have something to eat, and tobacco to smoke. We advised them to warn their people against killing ours; and endeavoured, also, to impress them with a proper notion of their own weakness, and the extent of our power, &c. Having heard this, the Red-Bird stood up—the commanding officer, Major Whistler, a few paces in front of the centre of the line facing him. After a moment's pause, and a quick survey of the troops, and with a composed observation of his people, he spoke, looking at Major Whistler, saying, 'I am ready.' Then advancing a step or two, he paused, saying, 'I do not wish to be put in irons. Let me be free. I have given away my life—it is gone (stooping and taking some dust between his finger and thumb, and blowing it away)—like that'—eying the dust as it fell, and vanished from his sight, then adding—'I would not take it back. It is gone.' Having thus spoken, he threw his hands behind him, to indicate that he was leaving all things behind him, and marched briskly up to Major Whistler, breast to breast. A platoon was wheeled backwards from the centre of the line, when Major Whistler stepping aside, the Red-Bird and We-kau marched through the line, in charge of a file of men, to a tent that had been provided for them in the rear, where a guard was set over them. The comrades of the two captives then left the ground by the way they had come, taking with them our advice, and a supply of meat and flour, and tobacco. We-kau, the miserable-looking being, the accomplice of the Red-Bird, was in all things the opposite of that unfortunate brave. Never, before, were there two human beings so exactly, in all things, so unlike one another. The one seemed a prince, and as if born to command, and worthy to be obeyed; the other, as if he had been born to be hanged. Meagre—cold—dirty in his person and dress, crooked in form—like the starved wolf, gaunt, hungry, and blood-thirsty—his entire appearance indicating the presence of a spirit wary, cruel and treacherous. The heart, at sight of this, was almost steeled against sympathy, and barred against the admission of pity. This is the man who could scalp a child, not eleven months old, and in taking off its fine locks as a trophy, and to exhibit as a scalp, cut the back of its neck to the bone, and leave it to languish and die on the floor, near the body of its murdered father! But his hands, and crooked and miserable-looking

fingers, had been accustomed to such bloody work before."

It is not directly stated that these men were put to death; but it is rather obscurely intimated that they met no mercy,—though Mr. M'Kenney and several others exerted themselves to obtain the pardon of Red-Bird.

In the Choctaw Country Mr. M'Kenney made acquaintance with a "rain-maker," in whose supernatural powers all the tribe believed; and our author contrived to have a private interview with him for the purpose of learning his secret:—

"As soon as the other Indians were well out of sight, I began by saying I was so anxious to know the secret of rain-making, that I would give him an order on the agent for a pair of scarlet leggings, a pound of tobacco, a string of wampum, a pound of powder, two pounds of lead, and a blanket, if he would tell me all about it. He stood up, and looked around him; and then, holding his head first on one side, and then on the other, listened; when, looking well round him, again, he sat down, saying to the interpreter, 'Ask him if he will give me these things.' Most certainly, I replied, upon the condition that he will tell me all about his art as a rain-maker. He stood up again, and looked, and listened, and then seating himself, began:—'Long time ago I was lying in the shade of a tree, on the side of a valley. There had been no rain for a long time—the tongues of the horses, and cattle, and dogs, all being out of their mouths, and they panted for some water. I was thirsty, everybody was dry. The leaves were all parched up, and the sun was hot. I was sorry; when, looking up, the Great Spirit snapped his eyes, and fire flew out of them, in streams, all over the heavens. He spoke, and the earth shook. Just as the fire streamed from the Great Spirit, I saw a pine-tree, that stood on the other side of the valley, torn all to pieces by the fire. The bark and limbs flew all round, when all was still. Then the Great Spirit spoke to me, and said, go to that pine-tree, and dig down to the root where the earth is stirred up, and you will find what split the tree. Take it, wrap it carefully up, and wear it next your body, and when the earth shall become dry again, and the horses and cattle suffer for water, go out on some hill top, and ask me, and I will make it rain.' I have obeyed the Great Spirit, and ever since when I ask him he makes it rain. I asked to see this thunderbolt that had shivered the pine-tree. He rose upon his feet again, and looking well around him, sat down, and drawing from his bosom a roll which was fastened round his neck by a bit of deer skin, began to unwrap the folds. These were of every sort of thing—a piece of old blanket; then one of calico; another of cotton—laying each piece, as he removed it, carefully on his knee. At last, and after taking off as many folds as were once employed to encase an Egyptian mummy, he came to one that was made of deer-skin, which, being unwound, he took out the thunderbolt, and holding it with great care between his finger and thumb, said, 'This is it.' I took it, and examined it with an expression of great interest, telling him it certainly was a wonderful revelation, and a great sight; then handing it back to him, he carefully wrapped it up again, with the same wrappers, and put it back in his bosom. The reader is no doubt curious to know what this talismanic charm—this thunderbolt—was. Well, it was nothing more, nor less, than that part of a glass stopper that fills the mouth of a decanter—the upper, or flat part, having been broken off."

On his return to Washington, Mr. M'Kenney found that his policy was disapproved by a very powerful party; and that he was believed to have taken a course more favourable to Indian rights than it was convenient for many influential persons to recognize. So soon as General Jackson became President, the direction of Indian affairs was transferred to less scrupulous hands; and the deportation of the tribes, which Mr. M'Kenney deprecated, became the established rule of policy in the Cabinet at Washington. Many anecdotes are told of the hordes who have thus been sent to

Wander witheringly—  
In other lands to die.

We select  
"When  
July, 18  
to cross  
to men  
after pa  
the Ohio  
of Harr  
under th  
distingui  
For the  
him, the  
were in  
and child  
chief rep  
and brav  
departed  
bent was  
passed, a  
waved th  
passed, a  
the chie  
manner BRAVE!"  
Mr. L  
dium, v  
to which  
courage  
and be  
fear this  
realized  
screely  
brethren  
cultivated  
to the s  
who esc  
Far W  
Washin  
which is  
the pass  
on Calif  
We s  
or part  
They h  
and the  
We ha  
tradic  
circula  
nies, or  
their gr  
Polydor  
early  
Libra  
contra  
Sir H  
The fa  
'Polyd  
receive  
den Soc  
lication  
is now  
prior to  
volume  
the Th  
Volume  
commu  
As a  
have b  
the wor  
dence  
him, in  
exercis  
valuab  
little a  
a speci  
scholar  
ing his

We select one of the most interesting:—

"When the last of the Wyandot race were, in July, (1843,) bidding a final farewell to their Ohio home, where their council-fire had burned for ages, to cross that water which was to form an eternal barrier to their return, as it will prove to all the red men that have passed over it, or that may hereafter pass over, they approached, in descending the Ohio, the spot where repose the remains of HARRISON. Many of their braves had fought under the general in the last war, and several had distinguished themselves at the battle of Fort Meigs. For the memory of the 'white chief,' as they called him, they cherished the greatest devotion. They were in number, six hundred and thirty men, women and children. On nearing North Bend, the principal chief requested Captain Claghorn to have the 'big gun' loaded. It was done. Meanwhile, the chiefs and braves silently gathered upon the hurricane roof, and formed in line, fronting the resting-place of their departed chief. The engine was stopped, and the boat was suffered to drift with the current. As they passed the tomb, they all uncovered, and gently waved their hats, in silence; and after the boat had passed, and the report of the cannon had died away, the chief stepped forward, and in an impressive manner exclaimed, FAREWELL, OHIO, AND HER BRAVE!"

Mr. M'Kenney strongly urges that the Indians, now concentrated in the western lands to which they have been removed, shall be encouraged to organize permanent institutions, and be admitted as a State into the Union. We fear this benevolent project is not likely to be realized. The States on their borders will scarcely consent to recognize the red men as brethren; the lands which they have begun to cultivate will every year become more tempting to the squatters, and other lawless vagabonds who escape from the restraints of law into the Far West; and the central government at Washington—even if it had the inclination, which is doubtful—has not the power to check the passion for territorial aggrandizement which annexed Texas, claimed the Oregon, and seized on California.

We shall not discuss any of the personal or party questions raised in these volumes. They have little interest for English readers; and the statements are manifestly one-sided. We have no means either of verifying or contradicting them; and shall not, therefore, give circulation to complaints which may be calumnies, or accept exculpations while ignorant of their grounds.

*Polydore Vergil's English History.* From an early translation preserved in the Old Royal Library in the British Museum. Vol. I. containing the first Eight Books. Edited by Sir H. Ellis. Printed for the Camden Society. The favour with which the three last books of 'Polydore Vergil's History of England' were received has induced the Council of the Camden Society to make arrangements for the publication of the whole work. The first portion is now before us; and comprises the period prior to the Norman Conquest. A second volume, "will carry it on to the reign of Henry the Third; and a third will take it to the close of the reign of Henry the Fifth—at which the Volume of the Three Reigns already published commences."

As a history compiled from sources which have been made use of by our own writers—the work, too, of a foreigner, whose close dependence on Henry and Wolsey would prevent him, in the later portions of his history, from exercising that independence of inquiry so valuable in an historian—this work brings but little addition to our historical knowledge. As a specimen of the manner in which a courtly scholar in the sixteenth century set about writing history, however,—and as affording, in the

introductory part, a minute and curious account of the state of England almost three hundred and fifty years ago, as well as presenting many amusing traits and stories—it is interesting: and we may add, that it appears to great advantage in its excellent translation, "made at a period when our language was beginning to assume the character of modern elegance."

Like all ancient historians, Polydore Vergil begins with a geographical description of the country; which is followed by an account of its inhabitants, and their peculiarities. The following is a portion of his general description:

"This countrey is of all places moste frutiful on this side of the river of Humber, for on the other side it somewhat too muche abowndeth with mountaynes; for, notwithstanding to the beholder afaire of it appere the verie champion and plaine, nevertheless it hath manye hills, and such as for the moste parte are voyde of trees, with moste delectable valleys, wherein the moste parte of the inhabitanthes, especially the nobles, have placed their manners and dwelling-housnes; whoe, accordinge to their aunciente usage, do not so greatlie affecte cities as the commodius nearenes of dales and brookes, therewhile dwelinge neare together, mindinge (as I suppose) therbie more easilie to eschewe the tempestuous blasteris of boisterous windes, bie cause the Ilande itself is naturallie subiecte to grete windes, wherbie it comethe to passe that the ruralls and common people, bie the entercourse and daylye confluence which they have with the nobilitie, confuselie dwelinge emonge them, are made verie civil, and so consequentlie their cities nothinge famous." • The grownde is marvelous frutiful, and aboundantie replenished with cattayle, wherbie it commeth to passe that of Englishe men more are grasing and masters of cattayle than howsbande men or laborers in tilling of the fieldes, so that allmoste the third parte of the grownde is lefte unmanured, either for their hertes, or falowe deere, or their comes or their goates (for of them also are in the northe partes no small number); for allmoste everie where a man maye se clausures and parces paled and enclosed, fraughte with suche venarie, which, as they minister grete cause of huntinge, so the nobilitie is muche delited and exercised therein." \*

The contrie it selfe at all times of the yearie temperat, noe sovernes or evell savor of the aire, insomuche that diseases raine seldom, and consequentlie lesse use of phisiche then in other places. Whearebie it commeth to passe that manie men live in divers places an honddred and tenne years, yea some sixe score, albeit emonge artificers and husband men it is receaved as a prescripte that thei should sweathe bie noe meanes. Never are there erthequakes, and lightening verie seldom. The grownde is luxuriant and frutiful; besides corne and pulse, of the owne accord bringinge forthe all kinde of matter, saving firre and (as Cesar saith) beeche trees, with diverse other, as olives, which was woonote to growe in whotter soyles; but yt is well knowne that nowe there are beeches eche where in the londe. Thei plante vines in there gardins, rather for covert and commodite of shadowe then for the fruite, for the grape seldom commeth to ripenes excepte an hotte summer ensewe. They sowe ryde, wheate, barle, and oates, in there dewe season, for they have not other kinde of graine nor other pulses than beans and peason; the corne shooteth soone uppe, but nothing soone ripeth, the abowndance of moisture both in the earthe and wether is cause of them bothe. There corne and pulse as soone as it is ripe is carried forthwith in to the barne with ears and huske, and are so preserved till they thincke goodde to threshesse it or breake it accordinge to there exigence. The earthe, as wee have herched, is not apte for wines, but instede thereof thei use ale or beare made of barley, beinge a drincke bothe commodius and pleasant to them which are accustomed thereto; nevertheless thei have wines owte of France, Spaine, and Candie. Theire pleasant woods are well replenished with apples and acornes or mast; thei have plenti of delicius rivers, pleasauntye waterings there feldes. It is strange to heare towle, yet verie trewe, that these floods, Thamis, Humber, and divers other, are not easilie augmented with raine; it maye wellbe for this cause, bie reason the erthe is verie sandie it

drinketh the mutche water. There are manie hills cleane voyde of treese and springes, bringing forthe thinne and shorte grasse, yea such as exceedinge well feadeth there sheepe, abowte the which in white flockes they wander day and night; and whether it bee through the mildnes of the aire or goodnes of the grownde they of all other beare the moste softe and finest fleeces, but that is to bee ascribed to the barraines of there downes, as Virgil witnesseth in the iij. booke of his Georgicks."

This fleece, as the historian justly remarks, deserves the title of the golden fleece; for therein "the chefe riches of the people consisteth." And so wealthy are they, that, "there is allmoste noe man so neadie but for the dailie furniture of his table hath his salters, cuppes, and spones of silver, with manie and divers kinde of vessells." —Polydore gives a tempting account of old English cheer:

"Their oxen and wethers are beasts as weire of nature ordayne for feastinge, whose fleache allmost in noe place is of more pleasant taste, but beafe is peerless, especiallie being a fewe dayse powdered with salt; neither is it enie mervayle, for that beafe once releaved from laboringe is kepte uppe for there common feedinge; in fine, the chefe foode of the Englishe man consisteth in fleache; neither emong them doe those oxen lacke there commendacion which after longe travayle are killed in there age, albeit theiris fleache is harder then the other. They have an infinite number of birdes, as well fostered in the houes as breeding in their woodds. The Kentishe hennes are the greateste; green geese beofore they have caste there downie fetheres are reputed as a daintie banqueting disse, butt afterward not soe good. Of wilde burdes these are moste delicate, partriches, pheasants, quayles, owsels, thrushes, and larkes. This laste burde in winter season, the wether not being to outrayle, dothe waxe wonderus fatte, at which time a wonderfull nombe of them is caughte, soe that of all others they chefe garnishe menns tables: there are also swannes in there lakes and rivers, not so small a pleasure to the beeholder as a great greefe of minde."

The meaning of these last words is very obscure. "There abowndeth the likewise," he tells us, "all sortes of fishe;" but though his enumeration includes whiting, turbots, and mackerel,—strangely enough, salmon, that favourite of our forefathers, is omitted. Pike, he tells us, was formerly little esteemed; but that it had of late been fattened upon eels in "store pondes," until it "growth into a great fatnes," and is "now thought verie precius emonge Englishe men."

The following description of the English is evidently a flattered portrait:—but it is curious:

"Englishe menn are highe and taule in statur, of welfavored and faire face, for the more parte greycied; and as thei resemble the Italian in there tongue, soe doe thei allmost nothinge differ in lineaments of there bodie; thei are verie civile, thei take counsell with deliberation, knowinge none to bee soe great an enemie to wisdom as rashnes; thei are prone of therei cune nature to all dewties of huminitie, yea, even towarde straungers; the nobilitie is exceedinge curteis; peradventure with the baser sorte of menn it is not soe, especiallie with the common sorte of citizens. They will bedde therei frindes to there houses, receyving them with all jentilenes, and in there dinners and suppers thei are no leste merrie, full of conceites, and exquisite, then sumptuous and liberal, accounting it a great pointe of jentilines; albeit (as Tacitus saith) it is noe small servilite to feed deyntelie, to another manns noe great truble and lothesomes. In battayle noe doubt, they are valiant, and voyde of all feare; they surmounte all other in shootinge; in noe wise can thei abide enie delaye in warfare, insomuch that when they joyne battayle, thei strive bie and bie as it were for all the whole substance and goodds of the one parte, for all followeth the good successe of the conqueror; but thei neither builde fortres and castels, neither do they repaire them, which, being buildest longe since, through time are become old and ruinous; yea if in foraine countries they have to doe with therei adversarie, in all respects thei observe the science and prescripts

of warfare. The other sorte of them which applie there minde to learninge and studie of knowledge doe excell therin with great facilitee, of whome at this daye there flourisht an infinite nomber. There attire is not muche unlike to Frenchemmen. Theire woomen are of excellent beutie, in whitenes not muche inferior to snowe, sumwhat beautified with the decencie of there apparell. There cities are princelie; there townes famus; there villages populus and of great number; there manners and mansions curius and magnificent everie wheare."

Although Polydore Vergil repudiates Geoffrey of Monmouth's fable of the colonization of Britain by Brutus and his followers,—seeing that neither Livy nor Dionysius Harlicarnassus, who wrote diligently of the Roman antiquities, ever mentioned him—and seeing, too, that, as "the Ilond, on brighte dayes, may easlie be seene from the French shore," it could therefore never be unknown to the neighbouring regions,—he yet follows Geoffrey in the order of his apocryphal British kings. Thus, we have the story of Ebrancke building York, and Leile Carlisle; and that of Baduwe who made the Bath waters—though the author does not linger to tell us with the minuteness of the old writer of the Metrical Chronicle of England the method which that founder took to keep the water constantly hot:—

"Baduwe was substitute in the place of Rudibras being dedd, whoe menn suppose to have builded the towne of Bathe, at this daye notorious through the bissopricke of Bathe and Wells; whereas the saing is hee made baines flowing with whote waters, the which woorke som erroures to attribute to Julius Caesar; whereas indeade it is evident that Julius Caesar came not so farre as this place. The bathes are there as yet extant, whereas warme waters doe springe forth and boyle, wherin, for wantonnes, childeyne moste of all others washe them selves; and there have I seene boyes swimminge and bringing up monnie in their teeth, which hath for pastime benne throwne in to the bathes of the standers bie. At the lengthe this Baduwe, trusting to his magical artes which hee towght everie wheare, and being sterred upp through the delusion and enchantementes of devels, waded soe farre in madnes that he made himme wings to flie, and indeade being lifted upp on highe he soddaine fell downe, with the which fall hee died, end of likelicheode descended into hell; thus his wicked sciens became an evell mishappe unto himme."

Polydore Vergil would appear to have been unacquainted with the medicinal properties of the Bath waters.

The story of King Leir follows;—then that of Ferrex and Porrex—afterwards that of Eliurus: fables though they may be, yet dear to the English reader for the favour which they have found with our great poets. In due time we come to King Ludd; who—

"As soon as he was created kinge, recognised and accounted the estate of his region; hee renewed certaine laws, hee rooted up divers abuses, and rejected manie things drawne to inconvenience bie evell example; and then, dispossing himselfe to the beutifel of the cittee of London, redressed the walls, beinge ruinus through yeares, strengtheninge the same with divers turrets, by reason wheareof it was afterward called Luddstoun. Also in the westre part of the cittee he builded a portle gate, at this daye called Ludgate. Of this cittee have I redde nothing more aunciente then that which is specified in Tacitus thereof, whoe termeth it Londonium; bie whose reporte it appearethe that in times paste it hathe ben a towne of noe great maiestie, in that he thus writheth thereof: London (sayth he) is a towne not soe famus through the surname of Cell, or the dwelinge places, as rather through the recours and convents of merchants. Peradventure it is the same cause whie Caesar made no mention thereof. Nevertheless in our time it is the moste princelie cittee of all others; the hedde of the nation; the palance of kingges; moste abounding in riches. The river Thames remmeth bie that part of the cittee which lieth southward, over the which there is a bridge, as wee shewed in the beginninge, towards

Kente, conteininge xix. arches, with howses, verie sumptuous placed alonge on bothe sides."

The invasion of Julius Caesar is related at great length: and then, we come to the state of Britain under the Romans, and the conversion of King Lucius. The following is worth extracting:—

"Some there bee which ascribe the cherche of Sainct Peter a littel withoute London to Lucius, albeit divers other doe attribute it to Sigibert, as wee shall shewe hereafter; declaring allsoe how it camme to passe that these Saxons were named East Saxons, Middel Saxons, and Weste Saxons. This place, especiallie renowned through the buriall of kings, is named Westminster, vulgarlie, bie cause it lieth weastwarde; but their are divers other causes allsoe wherbie it is greatlie adourned and garnished, as the highe street, the kinges palaice adjoyninge an abbaye in times paste of moncks of the order of Saint Benet, whereof it was named a monasterie; also an aunciente cherche dedicated to Saint Stephen, the sanctuarie gevinge immunitie to guiltie persons, and the common place or barre for the administration of lawe and pleytinge of causes. I finde in a booke of great antiquitee, yea withoute name of author, that this place in times past was on all sides environed with waters and called Thornie Ile; the which name surelie dothe verie well allude with the name which it hathe in our memorie, notwithstandinge that it is vido of thornes; for the great multitude of hurtfull and guiltie persons which weare wont to flie thereth to a sanctuarie, whilst menne demanded causes and questioned with them, they weare sufficientlie pricked with thornes, that is to saye, they hadd componction of their vices."

In giving an account of the Roman wall supposed to have been built by Severus, Polydore speaks of its being in comparatively good condition in his day—as "mays bee perceeede bie the litel embattled towers in aequal space distante." Would that one of these little embattled towers were yet standing! Constantine and his mother Helena have a most laudatory notice; but the writer does not mention the generally received opinion of his day that Helena built the walls of London. The invasion of the Saxons and subjugation of the kingdom follow.—This is Polydore's account of King Arthur, and we can easily imagine the little favour it would find in the eyes of those familiar with the marvels usually connected with that king's memory:—

"As concerninge this noble prince, for the maruelous force of his boddie, and the invincible valiance of his minde, his posteritee bathe almoste vaunted and divulged soche gestes, as in our memorie emonge the Italiens ar commone noysed of Roland, the nephewe of Charles the Great bie his sister, albeit hee perished in the floure of his yowthe; for the common people is at this presence soe affectioned, that with wonderous admiration they extol Arthure unto the heavens, alleginge that hee daunted three capitans of the Saxons in plaine feelde; that hee subdled Scotlande with the Iles adjoyninge; that in the territorie of the Parisiens hee manfullie overthrew the Romaines, with there capitan Lucius; that hee didd depopulat Fraunce; that finallie hee slewg gianteis, and appaled the hertes of sterne and warlike menne. This redowbted conqueror, of so manifolde exploits, is reported to have been sodainly retrayted from his jornay with domesticall contention, while hee minded to invade Rome, and consequentlie to have extinguished his tratorus nephew, Mordred, who usurped the regall power in his absence, in which conflict hee himselfe receaved a fatal stroke and baleful wounde, whereof hee died. Not manie years since in the abbey of Glastonburie was extractud for Arthur a magnificent sepulchre, that the posteritee might gather how wortlie he was of all monuments, whereas in the dayes of Arthur this abbey was not builded."

An account of the various Saxon kingdoms succeeds; and a glowing eulogy upon Alfred,—whom, with more correctness than many later writers have evinced, Polydore Vergil places among the kings of Wessex. Under the reign

of Edgar the following curious passage occurs. We wonder what "the triumphant lord high Cardinal" thought of it.—

"Dueringe this season moonckes engraved on manie other places, and beegan to houre upp riches unmeasurable in all parties, which turned their successors to muche damage; for whiles thei onlie employed the Divine service and avoyded the entercourse of men, embracing solitarie dwellings, wherof they had the first name of monastical life, thei seemed ful wel to perfowrn their profession, but contrarie when they haunted compaines, despised the sole living, and thirsted after riches, it is incredible how muche they didde degenerate from their awcitors, consideringe that, mawgre their hedd, they were fayne to care for worldie matters, which no doute encumbereth the greater parte of a mannes years."

The volume ends with the Battle of Hastings; which is told at great length—the "oration" of Harold to his Saxons and that of William to the invading army being given with as great minuteness as if there had been short-hand reporters on either side. "This was a most noble fighte," says our historian; "wherin the whole Englishe puissance and imperie camme to ruine,"—and which, as a matter of course, was portended by a comet, "or blasing starre, of woorderfull bignesse, which appeared manie dayes." "And thus," says Polydore Vergil, "doe all humaine affairs ebbe and flowe, soe that nothinge is so certaine as incertayntie it selfe, and continuall chaunge ether into better or into worse."—We shall be glad to see the other volumes of this very curious and amusing history.

*The Early Life of Dante Alighieri. Together with the Original in parallel pages.* By J. Garrow. Florence, Le Monnier.

THE translator is somewhat mistaken in supposing that the *Vita Nuova* has not yet appeared in an English dress. Mr. Lyell, six years ago, gave an excellent version of the poems contained in it, and an analysis of the narrative itself. Nevertheless, we are thankful to Mr. Garrow for having undertaken the task of presenting this extraordinary production in its integrity. As the first work of Dante, that which contains his confession—the revelation of the mystery which was the motive to his conduct and the fundamental law of his character—it has a peculiar interest. Here, we learn why it was that Dante, both in his portraits and his biography, exhibits that deep sorrow which his admirers have agreed to recognize as his mental characteristic. Mr. Macaulay has finely quoted the language of the Hebrew poet as applicable to the Italian. Dante's mind, says the eloquent reviewer, was "a land of darkness as darkness itself, and where the light was as darkness." We have, in the *Vita Nuova*, the cause of this darkness stated and illustrated.

The work itself is, nevertheless, difficult of interpretation—at least in the present day; for a *tertium quid* elaborated from the Platonic and Ptolemaic theories is not exactly the best medium of exposition to the modern reader. He may be induced to overlook the difficulty, however, for the sake of the fact that, in the language of the translator, "this little history of Dante's first love, with an analysis of his feelings from the commencement to the tragic conclusion, leaves not a doubt upon the mind, that with a supernatural degree of intellect he united a heart of the most sensitive materials."

The *Vita Nuova* is, in a great measure, necessary to the proper understanding of the *Divina Commedia*;—indeed, the natural introduction to its study. The narrative is supposed to comprise the poet's life between his ninth and twenty-fifth years—and is therefore occupied with the feelings and passions of his

youth.  
has trac  
"early  
that, w  
propri  
however  
one—a

The  
poet's  
afterwa  
epic, h  
any my  
love fo  
Vita  
the sub  
by him  
Soon a  
that a  
which,  
Lady  
more s  
at whi  
well k  
in whi  
life sh  
hope  
spoken  
to be b  
Beatri  
face t  
dicius.

With  
ground  
Nuova  
ment  
been  
here l

The  
true o  
that d  
creden  
for its  
be a c  
time),  
cealed,  
due, i  
right o  
strang  
should  
story i  
comm  
leave  
incide  
pressio  
been c  
it app  
from  
(trice)

*Vita*  
and in  
sonage  
one c  
the sa  
rical i  
arises  
ficienc  
and it  
incon  
to me  
in the  
a you  
neigh  
mines  
sever  
whom  
manie  
the p  
sonan  
with b  
arrive  
abstrac

youth. This is the sense in which Mr. Garrow has translated the words 'Vita Nuova'—as 'early life,' not as 'new life:' and we think, that, when his reasons are duly considered, its propriety will be conceded. We must not, however, conceal that the question is an open one—and is as much so in Italy as in England.

The book before us contains the tale of the poet's passion for Beatrice Portinari,—whom afterwards, in the 'Convito' and his great epic, he celebrated as Wisdom. Not, however, any mystical love for an abstraction—but a real love for a real woman—is the theme of the 'Vita Nuova.' Dante's design of improving the subject, after an allegorical fashion, is stated by himself at the conclusion of this memoir. Soon after writing the last sonnet, he tells us that a wonderful vision appeared to him; "in which," he continues, "I saw things that made me determine to write no more of this beatified Lady until I could treat of her in a manner more suited to her dignity. In order to arrive at which, I study with all my might, as she well knows. So that if it be the will of Him in whom all things have their being, that my life should continue for a few years longer, I hope to speak of her as no woman was ever spoken of before. And may it please Him who is the God of mercy, that my soul may ascend to behold the Glory of its Lady, the blessed Beatrice, who in a beatified state seeth Him face to face, 'Qui est per omnia sacer bene dictus.' (Who is blessed for evermore.)"

With this evidence before us, we quit the ground of controversy, and accept the 'Vita Nuova' itself, not as an allegory, but a statement of fact;—great part of which, indeed, has been proved true by official documents. But here let the translator speak for himself:—

"There can be little doubt that the narrative is a true one; interspersed indeed after the fashion of that day, with Paganism, Mysticism, Astrological credences, and having the Platonic theory of love for its basis—but if after all it be an allegory, if there be a covert meaning (as was not unusual in Dante's time), it must be confessed that it is so well concealed as scarcely to be suspected; nay, given the clue, it is most difficult to find the path and make the right application; besides it does appear to me most strange, that Dante, one of the clearest of writers, should have been at the pains not only to tell a story in prose, but repeat it in verse, then subdivide, comment on and explain it, and yet that he should leave no trace in the work itself of his intention to inculcate a meaning, which, but for certain expressions in his later works, would scarcely have been dreamt of.—To my, perhaps, short-sighted view it appears that much of the contention has arisen from the one circumstance of the same name (Beatrice) being used in the three works of Dante, the *Vita nuova*, the *Convito*, and the *Divine Commedia*, and in the two last confessedly as an allegorical personage; that considering the three works as links of one chain it has been argued that Beatrice must be the same in all, and consequently that being allegorical in two, she must be so in the third; and hence arises the necessity for finding an allegorical personification and interpretation of all the other characters and incidents in the story, so as to annihilate the incongruity which would otherwise exist.—It appears to me more just and more natural to take the works in their order; the *Vita nuova*, the literary effort of a young man passionately fond of his friend and neighbour Beatrice, first; then to suppose that miserable at her loss, and applying himself to the severest study, he gave her name to the ideal being whom he afterwards worshipped in her stead, as is manifest in the *Convito* and *Commedia*, which were the productions of later years—and this is more consonant with the Platonic theory, which beginning with the love of beauty in an individual terrestrial body, goes on by degrees subliming itself until it arrive at the contemplation of the beautiful in the abstract."

The 'Vita Nuova' has been translated into

French by M. Delécluze; who calls it "the type of the modern romance,—the model of that sort of composition in which, Love being given as the principal subject, the author studies and describes himself with as much minuteness as if he were speaking of another person, or of a feeling to which he himself is a stranger."

"This form of composition," continues M. Delécluze, "was not invented by Dante, since it was often used by the Hebrew Prophets; and Boetius de *Consolatione philosophiae*, as well as St. Augustin in his *Confessions*, had often employed it; but it is clear that the Florentine Poet has modified it in a remarkable manner, nay that he has given it an entirely new character by the application of it to the subject of Love. Italian literature, which has sometimes been reproached with not having produced romances, possesses however two forms of composition which it would be unjust not to place in the same category; I mean the *Novelle*, narratives at once impassioned and full of life, but wanting, it is true, in development, and in which an analysis of the feelings is never introduced; after these come the *Vita nuova* and all those works which have taken it for a starting point and model. Nobody is ignorant that the *Novelle*, even good ones, are numerous; but there is a fact in literature little known (if this is not indeed the first time that it has been noticed), namely, the influence which the *Vita nuova* of Dante has exercised on the poets and authors who have succeeded him, as well as the number and importance of the imitations, more or less successful, more or less faithful, which have been made of this singular book. Persons fond of inquiry, who would for instance enjoy the pleasure of mingling in their course of reading the Italian poetry of Petrarch with that of the work which he composed in Latin (de contemptu vita) and which he called *his secret*, will find that Petrarch, in imitation of Dante, has made a commentary on his poetry, and an analysis of the most profound and delicate feelings of his heart. Petrarch however possesses so elevated a mind and is so powerful in himself, that the imitation, real as it is, might escape the reader's observation, if in the prose compositions of this author one did not often find an analysis of the feelings of love, which is in fact the Dantesque invention upon which I am now remarking. But the most flagrant imitation is in the collection of poetry by Lorenzo de' Medici, called the Magnificent; here is a succession of amatory sonnets, preceded and followed by narratives and commentaries in prose, in which like Dante in the *Vita nuova*, Lorenzo indicates the circumstances which caused him to compose the verses, as well as the sense in which they ought to be understood. In this little romance, the chief magistrate of Florence not only traces the development of his passion with all the minuteness and refinement of the great poet, but he even conforms to the march of the language and the choice of expressions most frequent in Dante. Verses taken from the *Vita nuova* are not rare in the prose of Lorenzo, who may indeed be pardoned these petty larcenies, in favour of the elegance of his style and the original turn he has given to this spirited imitation; a curious monument of the ancient art of composition."

The French translator goes on to give some account of various other imitations,—particularly 'The Dream of Poliphilus,' by the monk Colonna, of Treviso; which has been frequently reprinted and splendidly illustrated.—But we must hasten to the work itself.

The 'Vita Nuova' commences with Dante's first acquaintance with Beatrice, when she was eight years and four months old;—a simple fact thus expressed in the text of the story:—"She was then of such an age, that the starry heavens had moved the twelfth part of a degree towards the east during her lifetime; so that she appeared to me about the beginning of her ninth year, and I saw her about the end of my ninth year." The story then proceeds:—

"She appeared to me in a dress of a noble colour, a subdued and becoming blood red, with a sash and ornaments suited to her very youthful years.—At that moment, (I speak the truth) the *Spirit of*

*Life* which dwells in the most secret chamber of the heart, began to tremble so violently, as to be frighteningly visible in the smallest pulses of my body, and with faltering voice, said these words: 'Ecce deus fortior me, qui veniens dominabitur mihi'—'Behold a God stronger than I, who coming will subdue me.'—Then the animal spirit, which dwells in the lofty chamber, whither the spirits of the senses carry their perceptions began to marvel greatly, and addressing itself especially to the Spirits of Vision, said these words, 'Apparuit jam beatitudine vestra'—'Now has thy blessedness appeared.' At that moment the Spirit of Nature, which dwells in that part to which we administer food, began to weep, and amidst tears, said the following words: 'Heu miser! qua frequenter impeditus ero deinceps'—'Ah! wretched me! for henceforth I shall often be impeded!' From that time forth, I say, that Love held absolute empire over my soul, (which had been so quickly betrothed to him) and began to exercise over me, in consequence of the strength which my imagination gave him, such vast and uncontrolled power, that I was compelled wholly to comply with all his wishes. He oftentimes commanded me to strive to get a sight of this youthful angel; consequently, I frequently sought her during my boyhood, and found in her, so noble so praiseworthy a bearing, that the line of Homer might with truth be applied to her, 'She seems not a daughter of mortal man, but of the Gods.' \* \* When exactly so many days had elapsed after the above described apparition of this most noble lady, as were necessary to complete nine whole years; it chanced, that on the last of those days, this most admirable person appeared to me in a dress of the purest white, between two noble ladies, older than herself; and passing along the street, she turned her eyes towards the spot, where, trembling with fear, I stood; and with an ineffable courtesy (which now has its reward in eternity) saluted me in so striking a manner, that I seemed to reach the very extreme of happiness. The hour at which I received this most bewitching salutation, was precisely the none of that day; and as this was the first time that her words had reached my ears, the pleasure which I received was such, that I quitted the company, as it were in a state of intoxication."

This passage will sufficiently exemplify the style of composition. Dante afterwards is reintroduced, in a vision, to the lady sleeping in the arms of Love; who holds in his hands the poet's heart, wrapped in flames, on which he forces Beatrice to feed, and then vanishes weeping,—bearing the lady with him to heaven. The vision, which occurred to him at the fourth hour of the night, Dante describes in a sonnet; which he sent to Guido Cavalcanti, Cino da Pistoia, and Dante da Majano, for their opinions. The reply of the first-named so pleased Dante, that it became "as it were the foundation of friendship" between the two poets. All the answers were conveyed in sonnets—which are here printed and translated. From this period, Dante's gestures and habits were manifestly those of a devotee of Love; not was it long before he met Beatrice again. It was at church; where the worshippers, it would seem, were not so much engrossed with their devotions as to prevent their noting Dante's fixed gaze—though they mistook the object of his attention. To keep up the delusion, Dante addressed certain rhymes to the lady supposed. A wish then came upon Dante to record the name of Beatrice with the names of others—and in particular that of her who had become so convenient a "screen" for his secret passion. He composed, accordingly, an epistle in the form of a "serventes" (a rhymed composition in stanzas of four, eight, or three lines), which embraced the names of sixty of the handsomest women of the city. When, lo! a marvel! The name of Beatrice would stand in no other number than "nine" amongst those of the other ladies. This miraculous number of "nine," the student of these mystical poems will find accompanies them throughout. But,

alas! Dante's "beautiful defence" leaves the city,—and he is thrown into dismay. Now let him speak for himself:—

"I became much more miserable than I could have anticipated. And thinking that if I did not express some sorrow at her departure, people would more quickly discover my secret, I purposed making my lament in the form of a sonnet, which I shall transcribe, because my lady was the cause of certain expressions in it, as is clear to those who understand it—I therefore composed the following sonnet—

O you, that on Love's path wayfarers be!  
Hurry and see,  
If any grief can unto mine compare—  
I pray you only hear me patiently,  
And then, acknowledge me,  
The key and homestead, of all pangs that are.  
Love, not for that small worth which dwelt in me,  
But of his own nobility,  
Set me amid a life so sweet and fair,  
That I heard say behind me, frequently,  
"For what high quality,  
Does he possess a heart so void of care?"  
Now have I lost that ancient fearlessness  
Which from Love's inward treasures used to flow;  
And sadly poor I go,  
So that I dare not speak, for bashfulness—  
Willing to do like those who, with much show,  
Conceal their poverty for shame, I dress  
My face in mirthfulness,  
While in my heart I weep and writh for woe.

The beauty of the theme is seductive; and we might pursue it—so charmed are we, and always have been, with these delightful poems and their accompanying comment,—through many columns. But we must confine ourselves to mere indications. The death of a female friend of Beatrice gives occasion for two beautiful sonnets:—

Weep, lovers! weep—since that love sorrowing lies.  
Weep, when the subject of his grief you hear.  
The piteous cries of women strike his ear,  
With bitter woe depicted in their eyes;  
Because fell Death used his energies  
Against a noble heart; and in such wise  
That he destroyed whate'er the world holds dear,  
In gentle woman, save her honour's prize.  
Behold the homage rendered her by love!  
As weeping o'er that fair but lifeless face  
He in corporeal shape by me was seen—  
And oft he turned his eyes to heaven above,  
Where that blest soul had found a resting-place:—  
That soul, a woman once of beauteous mien.

O cruel Death! pity's unweared foe,—  
Most ancient Sire of Woe!  
Decree, Inevitable!—since thou  
Such grief hast caused in my sad heart, that now  
I do in sorrow bow,  
My strivings to reproach on them shall throw.—  
To shew thee cruel, merciless, I need  
To mention here thy deed,  
Thy crime of crimes, thy wrong most tortuous.  
Not that it hidden lies—but I would rouse  
Disdainful ire those  
Who may in future chance on Love to feed—  
From this our age thou'st driven courtesy,  
And virtue, which in women most we praise;  
In it's gay youthful days,  
Heart-stirring beauty has been felled by thee—  
But who this fair one is I'll not explain  
More than that grace reveals, which was her own—  
Those meet for heaven alone,  
May hope to join her company again.

Love, ever the poet's friend, soon provides Dante with another "screen." Beatrice, not being in the secret, at length begins to suspect his fidelity—denies her customary salute—and gives occasion to some afflicting incidents, many sighs, and many songs and sonnets. At length, the father of Beatrice dies; and is duly lamented, together with his daughter's grief, by Dante. Soon after this, the poet himself sickens; and in delicious dreams has forebodings of the death of Beatrice. The reconciliation of the lovers, the death of the lady, the grief of the poet,—all these are beautifully enunciated both in verse and prose. Then, the poetic growth of the mystical sentiment consequent on her loss, and the poet's determination to embody both the fame of his mistress and his own feelings in some great poem—all this is surpassingly lovely! Let all who may, procure the present translation—unless they can read the work with more pleasure in the Italian. Mr. Garrow's version is both faithful and spirited. At times it might be more ele-

gant;—but then, perhaps it would have been less faithful.

*Manual of Practical Assaying, &c.* By John Mitchell. Baillière.

A manual of practical assaying was a book much wanted. Notwithstanding the position of England as a rich mineral kingdom, extraordinary as it may appear, this is the first book published in which is to be found any good general directions for assaying even our own metals. It is true, we may find in sundry books, of local rather than of general interest, the required information on some points connected with our metallurgical processes; but, until the publication of this 'Manual,' there was no book in the English language to which the student could be directed for instruction in assaying. This is not less extraordinary than the fact that our most eminent chemists are entirely ignorant of the processes by which the value of a mineral ore is ascertained by actual smelting,—which is the only process on which the manufacturer can rely. Any ores submitted to them are most accurately analyzed by the "wet way;" which is not at all to be depended on for our silver-lead ores,—and which always gives a deficient quantity of produce even for copper ores. That we have a skilful body of practical assayers in the districts for which they are required, cannot be denied; but their knowledge extends no further than the minerals common to their localities. To such men this 'Manual' must be of much value; and it is of no less importance to the professional chemist,—who, by it, may learn to test the results of his liquid processes, and often correct their errors.

As an attempt to supply a great want in our country, by producing a work similar in character to that of Berthier in France, ('Traité des Essais par la Voie Séche,') this work is to be very highly commended. It would have been, however, more valuable, if the author had confined himself to the treatment of ores with which he was familiar—as tin, copper, and silver-lead; instead of extending his treatise to other metals,—such as gold, platina, mercury, &c.,—for a knowledge of which he is indebted to the book of Berthier, already quoted, and others which we could readily name.

#### LIST OF NEW BOOKS.

Baldwin's Pulpit Themes, illust. by 3,000 Scripture Texts, 2s. cl. Baynes's Knitted Lace Collar Receipt Book, Second Series, 6d. Baynes's Notes on the Epistles to the Romans, 12mo. 2s. cl. Barnes's (W. H.) American Almanac, 2nd ed. 12mo. 4s. 6d. Bird's (Dr. G.) Urinary Deposits, 2nd ed. post 8vo. 8s. 6d. cl. British Minstrel, in 3 vols. royal 8vo. 5s. 6d. each cl. Buchanan's Technological Dictionary, 18mo. 7s. cl. Correspondence of a Clergyman with Christy's Letters, 6d. cl. D'Anville's (J.) Geographical and Astronomical Tables for 1847, 6s. cl. Ellis's (Mrs.) Temper and Temperament, Vol. II. post 8vo. 9s. cl. Epistles to the Few, 2 vols. 18mo. 4s. cl. Frank's (G.) On the Urino-Genital Diseases, Part I. crown 8vo. 5s. French Guide to London, 'Theatres, &c., Londres,' 12mo. 1s. cl. Griffin's (W. C.) Chemistry, in Two Volumes, an Essay, 18o. 6d. cl. Hamilton's (Dr. R. W.) Missions, their Authority, Scope, and Encouragement, 2nd edit. crown 8vo. 8s. cl. Harris's (Dr. J.) Pre-Adamicite History; Contributions to Theological Science, 8vo. 7s. 6d. cl. Idler Reader, or The Idler's Tale, by Rose E. Hendriks, 3 vols. 31s. 6d. cl. Impresario, (Sir Elijah.) Chief Justice of Calcutta, Memoirs of, by Elijah B. Impre, 8vo. 15s. cl. Kentish's (J.) Notes and Comments on Passages of Scripture, 8vo. 5s. Lebahn's (F.) German Language, 12mo. 8s. cl.; ditto, Key to ditto, 12mo. 8s. cl. Miller's (R. W.) Chemistry, in Two Volumes, an Essay, 18mo. 6d. cl. Miller's Boy's Summer Book, 36 illust. square 16mo. 2s. 6d. Minister's Fashions, on sheet, 12s. 6d. Montgomery's (J.) Christian Psalmist, 9th ed. 24mo. 2s. cl. Moxon's (W. V.) Christianity; the Deliverance of the Soul and its Life, 12mo. 2s. cl. Murdoch's New Grammar of the Spanish Language, 18mo. 1s. 6d. Naomí; or, the Last Days of Mrs. J. B. Webb, 7s. 6d. Original (The) by T. Walker, M.A., 5th ed. 8vo. 1s. cl. Parker's (Dr. J.) Elements of the English Language, 12mo. 2s. 6d. cl. Practical Christian's Lib.—The Art of Confirmation and First Communion, by a Parish Priest, 18mo. 8s. cl. s. cl.; Haylen's (Dr. P.) Doctrine and Discipline of the English Churches, 18mo. 8s. cl. s. cl. Webb's (W. V.) Moxon's New Grammar, 18mo. 6d. cl. s. cl. Pickett's (Rev. M.) History of Bridlington Priory, 8vo. 3s. 6d. cl. ditto, Some Account of ditto, 8vo. 1s. 6d. Raphael's Prophetic Messenger and Almanack for 1847, 8vo. 2s. 6d. Schlegel's (F.) Lectures on the History of Literature, new edit. 12mo. 3s. cl. Stein's (Rev. J.) Treatise on Mental Arithmetic, 18mo. 2s. cl. Swanwick's (Anna) Selections from the Dramas of Goethe and Schiller, with Introductory Remarks, 8vo. 6s. cl. Syme (J.) On Diseases of the Rectum, 2nd edit. crown 8vo. 4s. cl. Twelfth Annual Report of the Poor Law Commissioners, 8vo. 3s. 6d. Tytler's Elements of General History, new edit. 24mo. 4s. cl. Undine, with Explanatory Notes, by F. Lebahn, 12mo. 8s. cl. Underwood's (Dr.) Treatise on the Diseases of Children, 10th edit. with Additions by H. J. Dingley, 8vo. 1s. 6d. cl. Walker's (W. V.) Fashions, on sheet, 12s. 6d. cl. Was St. Peter ever at Rome? a Question Historically Considered by Dr. Schele, a translation from the French, 12mo. 2s. 6d. cl.

#### FOLK-LORE.

*Legends of the Small People of Devonshire and Cornwall.*

Throughout the southern division of Devonshire and the western coasts of Cornwall, the belief in fairies—or, as they were called "small people"—has become extinct only within a few years. Thirty years since—then a schoolboy—many were the tales of fairy lore with which my young mind became imbued. Scarcely a brook, a wood, or a sand hill, but was haunted by fairies; and every flower was, then, to me—drunk as I was with the poetical superstitions of the people amidst whom I dwelt—a bower in which was hidden some lonely syrah. I remember many of the tales of the peasantry of both Devon and Cornwall. Perfectly can I recall the consternation of a farm-house when a cow became dry, or the dairy "bucky," through the influence of the malignant small people; and I have been shown the ill-favoured and deformed boy who was believed to be a fairy changeling. Without occupying too much of your space, allow me to relate two incidents, both of which occurred in Cornwall,—and peculiarly show the general character of the then prevalent superstition.

On the banks of the river Fowey, near Lostwithiel, there yet lives a farmer who, possessing intelligence beyond his neighbours, was regarded, thirty years since, as the Solon of his parish, St. Veep. With this person I was spending some holidays; and he kindly placed at my disposal a very beautiful little pony, on which, day after day, I explored the cultivated glades and wild moors of the neighbourhood. The pony was regularly, after having been fed, turned out into a fertile meadow at night. One morning, this little creature was discovered to be ill. It revived, however; and was thought towards evening to be again quite well. Morning after morning, "pony" was prostrate—suffering from some intermittent disease. The village farrier was called in; who at once declared that the pony was "piscy riddan,"—and it was resolved to watch the field at night. How the watch was kept I have forgotten; but well do I remember two men informing my credulous host, who believed all they said—that they saw five little men like apes, the tallest of whom was not more than six inches high—go into the field, and engage in wrestling. The contest was long,—and for some time very equally maintained; but at length one of these small men succeeded in throwing, a *fair back throw*, each of the other four. The victor was then described as jumping on the back of the pony,—dancing in the most grotesque manner,—and singing very obscene songs; whilst the others howling with wrath and pain, so terrified the poor animal that, in wild affright, it galloped furiously around the field for upwards of an hour—the little ape-like man, in no respect diminishing his zeal, but continuing to dance most furiously until the poor beast fell panting, exhausted, beside the hedge. Such was the tale believed by a respectable,—and an education went in those days,—an educated farmer. The pony was kept in the stable at night—the door of the stable being fastened with a green twig of the "acow" (elder-tree) to keep out all unnatural intruders: the result of which treatment was, as might have been expected, the gradual abatement of a disease due entirely to cold and exposure.

#### The Fairy Funeral.

The parish church of Lelant is curiously situated amidst hills of blown sand, near the entrance of the creek of Hayle. The sandy waste around the church is called the Townen; and this place was, long, the scene of the midnight gambols of the "small people." In the adjoining village,—or, as it is called in Cornwall, the "church town,"—lived an old woman who had been, according to her own statement, a frequent witness to the use made by the fairies of the Townen. Her husband, also, had seen some extraordinary scenes on the same spot. From her, to me, oft repeated description I get the following tale:—

It was the fishing season; and Richard had been to St. Ives for some fish. He was returning, laden with pilchards, on a beautiful moonlight night; and as he ascended the hill from St. Ives, he thought he heard the bell of Lelant Church tolling. Upon a nearer approach, he saw lights in the church; and

most distinctly did the bell toll—not with its usual clear sound, but dull and heavy as if it had been muffled, scarcely awakening any echo. Richard walked towards the church; and cautiously, but not without fear, approaching one of the windows, looked in. At first, he could not perceive any one within, nor discover whence the light came by which everything was so distinctly illuminated. At length, he saw moving along the centre aisle a funeral procession. The little people who crowded the aisle, although they all looked very sorrowful, were not dressed in any mourning garments:—so far from it, they wore wreaths of little roses and carried branches of the blossoming myrtle. Richard beheld the bier borne between six—whether men or women he could not tell; but he saw that the face of the corpse was that of a beautiful female—smaller than the smallest child's doll. It was, Richard said, “as if it were a dead sylph.”—so very lovely did it appear to him. The body was covered with white flowers; and its hair, like gold threads, was tangled amongst the blossoms. The body was placed within the altar;—and then, a large party of men with picks and spades began to dig a little hole close by the sacramental table. Their task being completed, others, with great care, removed the body and placed it in the hole. The entire company crowded round, eager to catch a parting glimpse of the beautiful corpse yet it was placed in the earth. As it was lowered into the ground, they began to tear off their flowers and break their branches of myrtle—crying “Our queen is dead! Our queen is dead!” At length, one of the men who had dug the grave threw a shovelful of earth upon the body;—and the shriek of the fairy host so alarmed Richard that he involuntarily joined in it. In a moment all the lights were extinguished; and the fairies were heard flying, in great consternation, in every direction. Many of them brushed past the terrified man; and, shrieking, pierced him with sharp instruments. He was compelled to save his life by the most rapid flight.

*The Fairy Revel.*

Richard, also, once witnessed a fairy revel on the Town;—upon which tables were spread, with the utmost profusion of gold and silver ornaments, and fruits and flowers. Richard, however, according to the statement of “Aunt Aley” (the name by which his wife was familiarly called) very foolishly interrupted the feast by some exclamation of surprise:—whereas, had he but touched the end of a table with his finger, it would have been impossible for the fairy host to have removed an article,—as that which has been touched by mortal finger becomes to them accursed. As it was, the lovely vision faded before the eye of the astonished labourer. H.

These traditions of what the buxom \* Wife of Bath designates

The Elf-Queen with her Jolie compagnie smacked strongly of Celtic, as well as Teutonic, mythology. For instance, the beauty of the deceased Queen of the Small People, whom the narrator so poetically describes as being “as it were a dead sylph,” is a trait more characteristic of the Celtic fairies than of the dwarfs or elves of the Saxons; while other portions of these interesting legends show a closer connexion with the latter,—thereby affording a fresh proof how necessary it is, when studying the mythology of these islands, to bear in mind the two great elements of which it is composed. This has not, hitherto, been sufficiently considered by English antiquaries.

The virtue of the elder-tree in preserving men and cattle from witches and fairies is well known. In Germany, the elder was planted before stables to protect the horses from evil influences: and Grimm, in his “Mythologie,” says that this tree was formerly so highly reverenced in Lower Saxony that no one ventured to lop the smallest branch without first, with bended knees, folded hands, and head bowed down, asking permission of *Frau Ellorn*, or Dame Elder, the guardian spirit of the tree, in the following formula:—“Dame Elder, give me of thy wood, and I will give thee again of mine when it grows in the forest!”

We have received a letter from Mr. Allies, of Worcester, pointing out that his communication in the *Athenæum* of the 26th ult. on ‘Fairy and Ghost Lore’ is by error dated from Gloucester,—thereby

leading to the inference that the story of Old Coles is a Gloucestershire, not Worcestershire, legend. Mr. Allies has also forwarded to us a copy of his pamphlet intituled ‘*The Jovial Hunter of Bromsgrove, Horne the Hunter, and Robin Hood*;’—the subject of which is a once popular Worcestershire ballad, probably of some antiquity, but, as it appears to us, having no connexion with the Shakspearian legend of Herne the Hunter. The pamphlet contains, however, the following curious variation of the legend of the wild huntsman.

“There is a place by Shepley Heath, near Bromsgrove town, called Burcot,—which is said to be a corruption of Boarcot; and an old story has been handed down in the district, that the Devil kept a pack of hounds at Hale Owen (vulgo, Hell's Own); and that he and his huntsman *Harry-ca-nab* used, riding on wild bulls, to hunt the wild boar on Bromsgrove Lickey.”

The name *Harry-ca-nab* is an addition to the Satanic nomenclature. It is perhaps related to the epithet Old Harry, alias Old Hairy; or, possibly, to the ‘*Domina Hera qua volat per aera*,’ mentioned by Grimm, in his ‘*Mythologie*.

*LORD HOLLAND'S EDITION OF WALPOLE'S ‘GEORGE THE SECOND.’*

We have received from Colonel Fox a letter of angry remonstrance on the subject of our notice, last week, of the above work—in which the writer is pleased to discover “a flagrant calumny upon the memory of his late father, Lord Holland;” and he has likewise addressed the morning papers on the subject,—to the following effect:

“Addison Road, Oct.

“My attention has been called to a notice in the *Athenæum* of last Saturday, reviewing a new edition of Horace Walpole's memoirs originally edited by my father, Lord Holland. The article in question is so full of offensive and untrue assertions respecting him, that, though his memory requires no defence of mine, and although those who knew him (and they are many, and of all opinions and of all countries) will see the injustice of the terms applied to him, still I cannot help refuting at once what is there so calumniously asserted. These Memoirs, down to the accession of George the Third, were, at the request and for the benefit of the late Lord Waldegrave's father, edited in 1822 by Lord Holland. Lord Waldegrave gave him the entire management of this proceeding; desiring him to do what he liked, but expressing a wish that the feelings of those connected with the persons mentioned in the work might be spared as much as possible. The preface to this edition, the first and only one edited by Lord Holland, and the only one that I have seen, was written by the editor; and the extracts which I hope you will annex to this letter, will, I think, sufficiently refute this reviewer's assertions as to my father's caprice, wilfulness, &c. &c. Lord Holland, in publishing this work, did unquestionably omit several passages written by that very malicious as well as capricious writer, Horace Walpole. Lord Holland, in his preface, gives these reasons for so doing, and marks in the text where these occur. I think that the specimens given in the *Athenæum* of what was suppressed, fully justify the proceeding. I cannot congratulate the public, nor I hope will the public be much gratified by the samples of gratuitous abuse and scurrilous epithets with which this reviewer,—who, forsooth, fears ‘abusing confidence’—has graced the pages of a paper which never ought to have admitted them. As to the assertion that Lord Holland cut out passages from the copy intrusted to him, this is merely assertion. I feel quite convinced, and those who knew him will also, that he was incapable of so acting unless he were authorized by Lord Waldegrave. His statement that one passage was cut out by Lord Waldegrave himself, seems to confirm that opinion. As a proof of the exactness of this candid reviewer in the *Athenæum*, I will give an instance. He asserts that, by Lord Holland's caprice, the mottoes placed at the head of the memorial at each year, or some of them, were omitted. Now those that he specifies,—viz. ‘Oxenstiern's saying to his son’ and ‘Strada's canon’—are both in their places in the edition brought out by Lord Holland.—I am, &c.

CHARLES B. FOX.”

*Extract from the Preface to Horace Walpole's Memoirs, p. xxiii. vol. i. Edition printed in London 1822, 2 vols. quarto.*

With respect to omissions, it is right to inform the reader that one gross, indecent, and ill-authenticated story had been cut out by Lord Waldegrave before the MS. was delivered to the editor; but the author himself acknowledged that the facts related in it rested on no authority but mere rumour. Some, though very few, coarse expressions have been suppressed by the editor, and the vacant places filled up by asterisks; and two or three passages affecting the private characters of private persons, and nowise connected with any political event, or illustrative of any great public character, have been omitted. Sarcasms on mere bodily infirmity, in which the author was too apt to indulge, have in some instances been expunged; and where private amours were mentioned in the notes or Appendix, the name of the lady has been seldom printed at length unless the story was already known or intimately connected with some event of importance, to the elucidation of which it was indispensable. Such liberties would be still more necessary if the remaining historical works of Lord Orford were ever to see the light. They have been very sparingly used on the present occasion; and appear to be warranted by the consideration that, though the work had been written obviously for publication, it was left without directions how to dispose of it, and entirely at the discretion of those by whose authority it is now given to the public. Greater freedom might, perhaps, have been taken without prejudice to the author or to his Memoirs. But the editor was unwilling to omit any fact or anecdote that had a direct or indirect tendency to illustrate the causes or trace the progress of any political change or public event. The few omissions made are entirely of a private nature, and in general regard persons comparatively insignificant.

We can make every allowance for the feeling which should induce the son of a man like the late Lord Holland to be very sensitive of any calumny directed against his father's fame—but none for the folly, or assumption, which finds a calumny in the critical expression of a literary opinion. We have, ourselves, a due reverence for the memory of the noble editor in question; but do not recognize his patent of infallibility—nor any especial immunity which should remove him from the common censorship when he comes before the world in a literary character. The noble Lord was too wise, and had too much polemical experience, to have expected, in his lifetime, either as a politician or a writer, to put himself above the action of ordinary discussion; and Col. Fox will scarcely carry the matter further on his father's behalf than that distinguished nobleman had the ability to push it for himself.

What is it, then, that we have charged against the late Lord Holland, to justify his son's imputation of “scurrilous epithets”? They who shall read that gentleman's letter, not having read our article, will scarcely be prepared to learn that the terms so characterized are *wilfulness* and *caprice*—that is, literary caprice, and in reference to a particular editorship which we had under examination. We assert that Lord Holland exercised a discretion, in our opinion injudiciously. Now, so far is Col. Fox from disputing the fact of the exercise, that he ingeniously confirms it by the production of passages from his father's preface in which the latter claims the right to do so. To a greater or less extent, such a discretion must always, we admit, by the terms of his office, rest with an editor; but the right is, in every case, reserved to the public, for whom ultimately he works, to judge of the manner in which that discretion is exercised. It appears, then, that the matter resolves itself into a question of judgment between Col. Fox and ourselves; and that our calumny consists in holding a different opinion from his. Col. Fox thinks, we presume, that his father as editor acted infallibly; we thought—and retain the opinion, notwithstanding the Colonel's correction—that he acted capriciously.

Our expression of this opinion, in the article which Col. Fox attacks, was illustrated by examples,—for our own justification before that public which has the same right to judge our review that we have to judge the late Lord Holland's editorial labours. Col. Fox is of opinion that the specimens which we gave of passages omitted “fully justify the [noble editor's] proceeding.” We answer, that such a decision cannot fairly be arrived at on a view of the omitted passages alone—without reference, also, to what is retained. The public may think that the deficiency which wrought thus eclectically might have found room for larger exercise, if it interfered at all. Since Lord Holland chose to be more fastidious than Lord Dover and more scrupulous than Sir Dennis Le Marchant—who have edited other portions of Walpole's writings—it may, perhaps, be considered that the

fastidiousness might have taken a wider field and the scrupulous more consistency. The work must be taken together; and, on its complete testimony, we repeat our opinion that every other person than Col. Fox must regard the particular omissions as so many examples of editorial caprice.

The fact is, there are few cases in which editorial latitude should be more restrained by a sense of the public rights than that of just such a book as Lord Holland was here dealing with. It cannot be denied that the right to tamper with History, or with those documents which may become its material, is a dangerous concession—to be accepted with great reserve—and subject always to the revision of posterity. In that revision, the party exercising functions so delicate can by no means escape from his responsibility. There comes a time when every document, or line of a document, withheld for temporary considerations, is wanted by the public for the completion of the case: and it is obvious that whatever is withheld for any reasons which are *not* temporary, must be withheld on grounds that directly affect the integrity of History—and which the public will not endure. But for this its indefeasible reversion, the public would have no safety in accepting its information from men who have passions and prejudices, and marshal the documents that testify of passions and prejudices in the dark. Our article, which has made Col. Fox so angry, went to show, by the inevitable testimony of instances, that the noble editor of the 'Memoirs of George the Second' had exercised a privilege of capricious selection; and that a publisher's trick had deprived us, for the present, of an edition—for which the time is ripe—restoring the sound text.

This brings us to the more serious part of our complaint against Lord Holland;—though even here we impute no worse motives than carelessness and a want of the proper feeling of his own responsibility. We complain that Lord Holland did his work of elision with the scissors, not the pencil—made his personal report, and destroyed the record. The passages which it pleased him to omit are *cut out* of the manuscript. Here Lord Holland defeated (but for an accident which has saved its rights) the reversion of the public. Whatever temporary latitude of action may be conceded to an editor,—by no possible interpretation can it be held to extend to such an absolute dealing with documents as this. The editor, liable to err, can have no right to destroy the means of correction. The act is the thoughtless conversion of a valuable loan into a wrongful and absolute possession.—And here, let us guard ourselves against a possible fallacy which may be offered as a reply. Col. Fox, or some other, may hold that the public has *not* a property in the manuscripts of Horace Walpole; and that, as the author might have withheld them had he pleased, so may those who represent him. Our answer is at once Yes and No. To say nothing here of the obligation contracted by those who publish Walpole's Manuscripts to Walpole himself,—we confine ourselves to the case between editor and public. The manuscripts were, it is true, Walpole's, or Lord Waldegrave's, or Lord Holland's, to give or to withhold. But the moment either chooses to publish, the rights of the public begin. The public has a perpetual title to the truth; and all the incidents of that title attach to manuscript whenever it is taken from the closet and sent through the press. As regards the public, Lord Holland had a right to put the whole manuscript in the fire if he so pleased—but not a *part*, printing the rest. Col. Fox "does not believe" that Lord Holland was capable of "so acting" ("as to cut out passages from the copy") "unless he were authorized by Lord Waldegrave." We know only that the passages are *so cut out*,—and that Lord Waldegrave had no such authority, himself, which he could transmit.

In conclusion, Col. Fox asserts that two of the mottoes of whose omission we have complained "are both in their places in the edition brought out by Lord Holland." They are not in their places in Mr. Colburn's edition,—which professes to be a copy of Murray's original quarto. But if they be in the latter,—of which we have not a copy before us,—they furnish an answer, to that insignificant extent, to our objections: and had the correction been offered to us, we would most readily have given it

insertion—being, in all our strictures, as desirous to be fair, and serve only the truth, as we have no doubt whatever Lord Holland was to discharge honestly his duties as an editor.

#### A BELGIAN CATALOGUE OF THE BRITISH MUSEUM.

Sept.

HAVE you seen a work by M. Octave Delepierre—who, it seems, besides being a member of the Historical Committee of Paris, is a member of the Society of Antiquaries of London—entitled, 'Examen de ce que renferme la Bibliothèque du Musée Britannique, extraits des documents authentiques soumis au Parlement en 1846.'

The book is a literary phenomenon of the same cast as the novels of Lord William Lennox,—in perfect keeping with some others issued from the Belgian press. From its title-page, a reader would infer that it is compiled from a variety of parliamentary papers—species of literary labour which often requires no slight exercise of patience and ingenuity. The language used in the introduction would confirm this belief.—"So far as we know," says M. Delepierre, "there does not exist in French or English any work intended for the public, containing the information which we here present to the reader relative to one of the richest collections of books in Europe. We hope, therefore, that this analysis (*travail analytique*) extracted from the Reports of the Curators of the British Museum, will prove of some utility. This is the sole remuneration we expect." It is, nevertheless, no less true than strange, that there does exist in English a work intended for the public—and sold to the public, at the charge of sixpence—which contains, in a collected form, not only all the information that M. Delepierre has here offered at the charge of two francs, but a great deal more: and it is also certain that M. Delepierre must have been fully aware of the fact—for, to speak plainly, his 'Examen' is neither more nor less than a clumsy, mutilated and incorrect abridgment of the very work of which he denies the existence.

The work to which I allude is the well-known 'Report on the Deficiencies in the British Museum's Collection of Printed Books'—ordered by the House of Commons to be printed on the 27th of March last. That document is preceded by a letter from the Rev. J. Forshall to the Lords of the Treasury; comprising a summary of the principal facts contained in the main Report by Mr. Panizzi—which it serves to introduce. Nine-tenths of the 'Introduction' of M. Delepierre are translated with great closeness, errors excepted, from this letter. The remainder, or main body of the work, with the exception of about half a page, is taken, with similar closeness but with a larger proportion of errors—some quite unaccountable—from the Report which follows. Facts, arguments, opinions, style, arrangement—in short all things whatever in this work published under the name of M. Delepierre—are taken, not from "authentic documents," but from one "authentic document" laid before Parliament, and bearing the authentic signature of Mr. Panizzi, Keeper of the Printed Books at the British Museum.

Such being the case, I have looked through this book with some care, to ascertain if M. Delepierre has thought fit to acknowledge his obligations; and I find that Mr. Panizzi's name does occur in one instance—and only in one. In page 73 it is stated that "many important acquisitions of Swedish works have been made by Mr. Panizzi"; but the Belgian reader is left to discover at his leisure who the person thus mentioned is, and what connexion he has with the Library of the Museum. He would certainly, from this cursory and incidental mention of Mr. Panizzi's name, be led to imagine anything rather than that he is the unacknowledged author of the work before him. M. Delepierre's 'Examen,'—if we must still call it 'M. Delepierre's'—is, in fine, only valuable—if it have any value—as a striking proof of the extent to which the practice of literary piracy among the booksellers may weaken the feeling of literary morality among the writers of a nation.

So much for the authorship of the book:—as a translation it is impossible to recommend it, owing to its numerous inaccuracies—slight for the most part, but in the aggregate important. The statements which it contains are so disfigured that they can

never be referred to with confidence: and the omissions, too, are unaccountably many. One or two of M. Delepierre's blunders have the merit of being amusing. In that portion of the original Report which relates to Oriental Literature, a reference is made to "the last number of the *Vienna Jahrbücher* for 1841." The translator—evidently quite a stranger to that well-known periodical and to the German language—cites it (*writing in French*) as "le dernier numéro du *Vienna Jahrbücher* de 1841." In the section on Jurisprudence, there was occasion to mention that "the library of Edward Anselm von Feuerbach was lately on sale at Erlangen":—M. Delepierre informs us that "dernièrement on vendit à Erlangen la bibliothèque d'Edward Anselm"—leaving out the surname as superfluous. The translator is rather unfortunate with names in general. The "Mr. Speaker Onslow" of the original, figures in the French as "M. Speaker Onslow."

In conclusion, permit me to hint to M. Delepierre that, though his work professes to be an 'Examen de ce que renferme la Bibliothèque du Musée Britannique,' he has unluckily omitted all mention whatever of the thirty thousand manuscripts which are generally considered as forming part of it—though, of course, they are not adverted to in an official report of the Keeper of the Printed Books only. The Belgian diplomatist (for he is, it seems, Secretary of Legation) may easily supply the omission, and extend his bibliographical fame, should his researches lead him to the Reports of the Record Commission. Therein, he may find some excellent materials, in the shape of an official letter by the Rev. J. Forshall, for another "travail analytique."

Y. X. Z.

#### FOREIGN CORRESPONDENCE.

Genoa, Sept.

IT was with no little delight that, after a tedious journey from London, I found myself once again in Genoa. What a scene bursts upon the traveller as he enters by the "Porta della Lanterna"—the shipping in the foreground, and a thousand palaces ascending from the sea till they cover the chain of mountains that encircles the bay, and justify the title of "Genova Superba." I have often entered this city by day—but never before by night. The lights which glittered from every part gave it the appearance of a crescent of diamonds set in the dark bosom of the Apennines; and we had stopped at the "Dogana," and were saluted by the harsh tones of a gendarme demanding our passports ere I was aroused from the dream of its beauty. "Shall I run and secure you a room, sir?" said a facchino. "No; I shall go to my usual hotel." "You will find every room in Genoa taken," was the reply:—and this, in fact, was almost literally the case. I deemed myself happy in being permitted to share a garret with the rats; whilst some ladies of my acquaintance were running about, at midnight, "houseless and forlorn," with a regiment of lazzaroni behind them. The cause of this siege and occupation of the city was, as you know, the Congress of the Italian Scienziati.

My first object was to get myself admitted a member of this Congress:—which can only be done by the applicant's proving that he is a member of some other learned association. This is an easy matter for an Englishman of any pretension to literary taste; as he is sure to be connected with some one of the many associations with which London abounds. But it is a matter of great difficulty, comparatively speaking, with the Italians—from the very absence of such associations. Many a one I have seen rejected, whose tastes and acquirements would have entitled him to the privileges of membership. These privileges are as follows:—he requires no passport during the Congress—has free admission to all the public establishments of the city—is entitled, of course, to attend all the Sections and the conservazioni in the evening—and receives some valuable presents in books. Here, then, for the time, I am domiciled—a regular Genoese. I will use my privilege—go in and out, here and there—and give you the result of my observations.

The opening meeting of the Eighth Congress took place on the 14th. At eleven o'clock, all the members assembled in the metropolitan Church of San Lorenzo,—to my thinking the most imposing, if not the most highly adorned, church in Genoa. High

N 9891

was no  
one of the  
for the elega  
and its rem  
ability and  
posing spec  
sets for the  
to the card  
and other m  
General wa  
Brignole-Sa  
at the Cour  
the matter o  
of the spirit  
these "Con  
sing the pla  
within thei  
the happier  
the more ill  
prevailed a  
He p  
whom religi  
Doria, who  
alone would  
some furthe  
dwelt on the  
conveyed to  
had a sec  
nity to be  
to the the  
He next e  
spoke pa  
which they  
to the the  
gaining ar  
remained to  
patrimony  
self, then,  
lope that,  
lopes which  
ended a sp  
pose in  
poses, ar  
ges of the  
indicative  
ment, and  
pace of d  
lens return  
fond, the  
evening, th  
Having  
and "ri  
will, I be  
abours fo  
dearer ide  
I was at the  
places of  
of the Jes  
to present  
plation,  
ay before  
names of  
present i  
business:  
so much  
have not  
of hearing  
ingburgh  
scientific  
of the cl  
to the str  
other in  
spection  
to see the  
inconsi  
tate be  
pleasure  
gardenin  
the "Ma  
Manufac  
decided  
fixed at

was said; and then, we adjourned to the grand saloon of the Ducal Palace. This splendid *salon*—one of the most precious of Genoese monuments, for the elegance of its architecture, the magnificence of its paintings, its exquisite marbles, its vastness, and its reminiscences—filled, as it now was, with the nobility and learning of Italy, offered a most imposing spectacle. Round the room were placed seats for the ladies; who thus formed a kind of crown to the cardinal archbishop, the governor, syndics, and other magistrates, and the whole body of the members, seated below. The seat of the President-General was occupied by his Excellency Sig. Antonio Brignole-Sales, Ambassador of his Sardinian Majesty at the Court of the King of the French. I send you the matter of his speech, because it may give some idea of the spirit which the Government entertains towards these "Congressi." He began, of course, by expressing the pleasure with which the Genoese received within their walls the Italian Scienziati;—dwelt on the happier days of the Republic;—called to mind the more illustrious deeds of their ancestors, who had perished alike with the sword and the understanding. He paid a tribute to Guglielmo Embriaco, whose religion had made so valorous,—to Andrea Doria, whose love of country dictated the *Great Effort*,—and to Christopher Columbus, whose name alone would suffice for the glory of Genoa. After some further allusions to distinguished citizens, he dwelt on the general utility of such Congressi; and envoed the thanks of Science to the monarch who had a second time permitted this Italian solemnity to be observed in his dominions. By a reference to the past, he attempted to awaken the future. He next entered on the vast field of the sciences, spoke particularly of each,—marked the relations which they have with the arts and their contribution to the social well-being. He traced their beginnings and their progress; and pointed out what remained to be done to enrich the already splendid patrimony of human intelligence. Addressing himself, then, to the youth of Italy, he expressed his hope that, by laborious study, they may fulfil the hopes which their country reposes in them. Thus ended a speech which, though more than necessarily polite in its allusions to "the love and concord of sciences, and their earnest desire for the mutual progress of their subjects," is still a speech of promise—indicative of the liberal views of the Sardinian Government, and marked by truth of sentiment and elegance of diction. The elections concluded, the members returned to their several halls, and opened, *pro tempore*, the business of the several Sections. In the evening, there was a *fête* in the Governor's Palace.

Having thus described to you the opening of this grand "riunione," you will like, possibly, to see how it works—to look little into details. My best plan will, I believe, be to give you the history of my own hours for a day. It seems a little egotistical, to be sure; but this will be pardoned if it gives you a clearer idea of the matter. At half-past eight, then, I was at the University,—formerly one of the splendid palaces of the Balbi family, afterwards an institution of the Jesuits, at whose suppression it was devoted to the present object.—On entering, I received, on application, a "Diario" of all that had taken place the day before in the various Sections, together with the names of the new members who had arrived. I was surprised to find, even at that early hour, many ladies present in such of the Sections as had commenced business; not, I believe, because the Italian ladies are much devoted to Science; but they rise early—have nothing to do—and are glad of an opportunity of hearing their husbands or brothers or friends distinguish themselves. When weary of Science and scientific men, lionizing succeeds:—for, independently of the churches and palaces, which are always open to the stranger without fee, there are now a number of other institutions which are freely opened to the inspection of the members of the Congress. Thus, I went to see the treasures of the Church of San Lorenzo:—extreme in point of value—but, unless some curious tale be associated with them, I should have the same pleasure in walking through the rooms of one of our goldsmiths at the West End. From thence, I went to the "Public Exposition of National Industry and Manufactures, Agricultural and Horticultural Productions;"—which has been, of course, intentionally, fixed at this time. Velvets, and silks, and satins,

and tapestry, and ornamental paper for rooms were in great profusion,—and the best of the kind that could be produced. Articles in glass and earthenware were far inferior. Many specimens of printed cotton and of cloth (woollen) show the enterprise and tendency of national industry at least,—though they were not of such perfection as to alarm a great manufacturing rival. In the lower rooms were specimens of leather cured and dressed in this country; and many examples, also, of iron and cast steel—which I was told (though I am no judge of the matter myself) are highly creditable productions, and might vie with those of any country. Of this, I suppose, an Englishman may be permitted to have some doubt. To abstain from all comparisons, these expositions of manufactures form an interesting and laudable feature in the history of modern progress; and the exhibition here proves that there are in this country an energy and spirit of enterprise which we look for vainly farther south.

Three o'clock has arrived:—the omnibuses are at the door of the University, to convey us to the Palazzo of the Marchese Pallavicini,—where we are to dine daily during the twenty days of Congress. In this palace resided the Princesses of Savoy in 1704,—and in our time our countryman, Lord Byron. It is called "Il Palazzo delle Peschiere," from the number of fountains that abound here—the more remarkable inasmuch as it stands on the summit of one of the undulating mountains that surround Genoa. I have rarely seen a more splendid view than that which the gardens around this palace command. In the distance towers yet higher the mountain called Albare—terminating in the sea. The intervening valley is filled with villas and orange groves; and the ascent to this delicious spot is made amidst fountains and statuary—by terraced gardens and grottoes. The palace, within and without, is adorned with frescoes by the Brothers Servini; and though executed in the sixteenth century, these are as fresh, apparently, as on the day of their execution. You must not suppose, however, that we are to dine in this beautiful spot for nothing. Every member has to provide himself with a daily ticket, on payment of 3 francs—a small sum, indeed, for a dinner that would cost 15s. in England. Nor here is it by any means sufficient to defray the expense—since the municipality have contributed 22,000 francs to this one object; whilst in all they have made an expenditure of more than 200,000. At table, it was my fate to be surrounded wholly by Italians. No Englishman was to be seen,—so I made up my mind to be a good listener. I was much interested in the conversation that ensued on the Pope's name being mentioned. It seemed to elicit a burst of enthusiasm from all around me.—"We must have the next meeting of the Scienziati at Rome," said one; "and it shall not be put to the vote; it shall be carried by acclamation. The government shall not be permitted to pay a farthing towards the expenses." Then followed two or three anecdotes; which, if not true, at any rate show the state of public feeling on some subjects,—and if true, are remarkable and furnish matter for grave thought. It was on the occasion of some *fête*, as I understood, in the church of St. Ignatius, at Rome, where the Pope usually officiates, that, as the Pontiff was on the road, or about to enter, the people shouted "Non prendi cioccolata, Santità"—an exhortation to him to take no refreshment: and, in fact, as I was informed, he did not perform mass as is the custom. I remark again, that, if not true, the anecdote shows the opinion which is entertained of the desperation and the morality of a certain party in Italy—and, if true, it tells a great deal more.

We were rising to disperse, when a young man, with his black hair combed back and floating over his shoulders and a dark expressive eye, entered at one of the doors, and was saluted by a storm of "Viva." The most perfect stillness followed; and expectation was evidently a-tiptoe. For a moment, he shut his eyes, and compressed them with his fingers as if to collect his thoughts; then, springing forwards as if awakened from a refreshing sleep—with a face beaming with expression and smiles—he continued for ten minutes or a quarter of an hour to improvise in his own sweet native verse the praises of Italy and the fair sex. His enthusiasm and fluency and energy of action produced an extraordinary

effect. Even I, from the frosty North lately imported with all my phlegmatic manner about me fresh as imported, fully entered into the enthusiasm of the moment. As a foreigner, I am not competent to judge of the real merit of the verse, and ought not to give an opinion. I can only testify to the harmony of the verse:—but if I may guess from the effect produced, they must have had great merit; for, amongst the five hundred persons assembled, each attempted to outvie his neighbour in the loudness of his applause. Such a scene could not have been witnessed in England. We are a censorious, critical, satirical, and "judging" people. We should kill a thousand Chattertons—though we never could create one. Fancy what shocks would have been given to the sensibility of poetic genius improvising in an assembly of five hundred Englishmen!—the jokes, the sneers, the criticisms! Whereas here in Italy, and on this occasion, the large assembly seemed to have become one man. They were the Poet—felt and thought with him—and an accurate observer might almost have seen the changing expressions of his face reflected in five hundred others. This is the soil for the production of genius,—of that particular kind, at least, which is connected with the Fine Arts. Here it fears not—shirks not from trying its strength; and though much mediocrity will thus be generated and tolerated, yet are we not indebted to this fostering, sympathizing feeling for the great achievements of Italian genius?

Pardon my prosiness if this thoroughly Italian scene calls forth another observation in praise and defence of Italy. We travellers—especially English travellers—take our periodical runs through the high roads of Italy, and witness the many instances of bad government which, undoubtedly, are to be found there; and connecting this fact with the apparent contentment and cheerfulness of this good-natured people, we return and write them down as politically degraded, or—as I heard them lately described—as a worn-out race. Now, I have mixed much with, and know much of, the Italians; and I do not know any other people in whom the "amor patrie" exists so strongly, or manifests itself in such variety of forms—in a proved knowledge and thorough appreciation of the great works of national genius—an affectionate attachment to the glories of the past—deep regret for the present political condition of their country,—and hopes for the future. A single illusion, as I have often witnessed, to their native land is enough to set a whole assembly on fire,—as was the case to-day. Where this strong love of country exists, a race cannot be lost,—degraded,—worn-out. They are living under Argus-eyed governments,—and cannot wear their feelings like their favours in their caps; but there are amongst them an inextinguishable love of country, and a thirsting after political regeneration, which will sooner or later accomplish its desires. To that end may these scientific unions be contributors! I must not omit to mention, before leaving this subject, that the person who has drawn forth so much "talk" from me about genius and Italy and I know not what else, is Doctor Luigi-Masi, of Perugia,—the secretary and chosen friend of Prince Canino.

Leaving the *salle-à-manger*, we lingered about the terraces and gardens of the palace,—looking over the most lovely sea in the world and watching the tints of evening. "Ave Maria" sounded as I was luxuriating amidst this beauty: and, as I am a great admirer of the music of the Catholic Church, and especially of that sweetest music which is chanted in honour of the loveliest of human creations—the Litany of the Madonna—I lost no time in leaving the Scienziati, and hurrying down to the Church of the Santa Annunziata. It may be too gorgeous to be in correct taste:—one might desire less ornament, but I never can approach that church in a critical spirit. I am overwhelmed by the magnificence of its marbles, its gilded cupolas and roof, its paintings in oil and fresco—some of them the "capo lavori" of Italian art—and feel that I am looking in one moment on the united expression of the wealth of Italy, her transcendent genius, and her enthusiastic devotional feeling. The service being over, I went to the Casino:—and here is the last scene of the day's varied history. It consists (the Casino) of a suite of rooms, in one of the largest palaces of Genoa,—provided with newspapers, music, billiards, cards, dominoes, chess, &c.; and is placed at the disposal of the Scienziati from morning till night. During the even-

ing, *sorbettes* and other refreshments were handed round with great liberality:—and, having sipped my “limonada” and being thoroughly tired, I was glad to retire to my garret.

What a contrast between the marble halls and gilded palaces and a garret!—but such is the necessity of these crowded times. So, I shut myself in; and talked to myself of the grandeur of the human soul, and its independence of, and superiority to, externals,—till I fell into a dream of the glories of Italian Art. Had I been a prince—proprietor of all the wonders of Art which I had seen this day and dreamt of this night—I could not have slept better: so, my garret is welcome for another week.

#### OUR WEEKLY GOSSIP.

SOME weeks since, we announced that, having made all the points, we had brought our discussion with the anarcho-archaeologists to a close; and had no disposition for further fencing with antagonists who use unfair weapons. That discussion has, however, left a sore behind it in the anarcho-archaeological breast, which will not permit it to be quiet; but indicates its presence by sly flings and parenthetical innuendoes,—intended, no doubt, to take effect under cover of our avowed retirement from the dispute. We cannot, however, suffer these unfortunate gentry to indulge their love of mischief under the idea that they have no one to account with. The mouth-piece by which that ill-conditioned Personality, the Council of the Archaeological Association, speaks, has got them into another scrape. Reporting the paper read by Mr. Gomonde, at the Gloucester Congress, it says:—“As this is the paper asserted by contemporary journal not to have been read, but withdrawn in disgust,—and as this ‘misrepresentation’ or ‘fabrication’ has not been corrected or set right even by an erratum, we have the more pleasure in doing its author justice”:—and then the Council, speaking by the journal, proceeds to garnish this main untruth with certain flowers of that peculiar rhetoric which grows, in the heat of the anarcho-archaeological temper, out of an ill-nurtured soil. It is almost sad to see these men, for want of the commonest care, daily knocking their heads against stone walls. When a matter of record is very plain and distinct, it is said that “he who runs may read”; but these philosophers, because they will not read and yet will run, fall over every fallacy that lies in their way,—and get up again more or less damaged, and looking very foolish. The means of correcting their present error lay right under their hands—in the very record which they falsify: but merely because they are in too great a hurry to consult their chart, they go sailing blindly on till they find themselves suddenly brought up on a fresh shoal, and exposed to as much of ridicule as any one who may wish them ill cares to bestow. What is the fact against which they have grounded, this time, for want of a good look out? The error of which they speak, by some of their favourite names—so far as it is an error at all—was set right in the *Athenæum*—and not by an ‘Erratum,’ but in precisely the same form, and with exactly the same circumstance, in which it was promulgated. Neither the assertion complained of nor the correction described was made by us, speaking in our own persons. Mr. Guise, in his first communication, which we printed, says that, because of Mr. Pettigrew’s ill-temper at Cheltenham, Mr. Gomonde refused to read his paper; and in our very next number, Mr. Wright, in the letter which also we printed, says that Mr. Gomonde, it is true, did, for the reasons given, refuse to read his paper—but that our correspondent had omitted to add that he read it subsequently. Here, then, was the *whole case*—of which the Council, or their reporter, in their blinking peevishness could only see the half. Here were the “bane and antidote both before them!”—the former only of which, notwithstanding, the Council could appropriate, by that law of unwholesome assimilation which seems to make the selection and absorption of error so peculiarly natural to them. A philosophic body conscious of such affinities should be on the watch against them—and the merest schoolboy would have escaped such childish blundering as this. As we have hinted, we could feel almost sorry for these men,—but that, with their usual felicity, they contrive, at last, to substitute for the figure of their misfortune a most ludicrous image, and convert the rising sympathy into an irresistible

smile. The shriek of self-congratulation with which, after having been sorely beaten, they turn round and affect to walk away, suggests an illustration in *Natural History* which it would not be courteous more plainly to indicate. Yet these men are most unfortunate—though unable to command the dignity which commonly attaches to misfortune. Their recklessness has been even more prolific of unhappy accidents to themselves than belongs to the mere calculation of chances. They have neither been able to keep the ground, nor retire from it, without a wound.

On Wednesday next, the Faculty of Arts will be opened at University College,—with an introductory lecture, by Professor Taylor, ‘On the Education of all Classes in England.’

We regret to announce the melancholy death, in Ireland, by an accident from his own gun, of Major Beau, the author of an interesting work—‘Field Sports in India.’—In Paris, M. Théodore Bénazet, the distinguished publicist, has been carried off by death in the flower of his age.

The universal M. Alexandre Dumas, who builds theatres, writes Plays and Travels, and feeds half a dozen *feuilletons* at one and the same time, has now added to his multifarious literary titles that of historiographer of the marriage of the Duke de Montpensier; and departed in the body for Madrid, without, however, in the least withdrawing his literary presence from Paris. M. Dumas is the Caleb Quotem of literature.

M. Arago has sent the following note, referring to M. Galle’s remarkable discovery and M. Leverrier’s yet more remarkable prediction, to a French paper:—“On examining with great care the analytical theory of Uranus, M. Leverrier ascertained that the great irregularity shown by the observations that had been made on the motion of this planet arose from the action of an unknown body, whose exact position and diameter he determined by calculation. All the predictions of the theory have just been verified, and our solar system is enriched by a planet which is 1,250 millions of leagues (about 3,125 millions of English miles) distant from the sun. Its volume is about 230 times that of the earth. The following is an extract of a letter received by M. Leverrier from M. Galle, an astronomer at Berlin, and dated the 25th ult.:—‘The planet, whose position you have described, really exists. On the same day that I received your letter, I discovered a star of the eighth magnitude, which is not marked upon the excellent chart of Dr. Bremiker, and which forms part of the collection of celestial charts published by the Royal Academy of Berlin. The observations on the following night showed that this star is precisely the planet in question. M. Encke and I have, with the aid of Fraunhofer’s large telescope, compared it with a star of the ninth magnitude.’ Astronomers will learn with pleasure that the position of the new planet is precisely that which M. Leverrier assigned to it in the theory which he sent to M. Galle. The diameter resulting from the observations at Berlin is of three seconds,—as M. Leverrier had said. M. Galle appears disposed to call the new planet *Janus*, from considerations borrowed from the hypothesis that it may be on the confines of our solar system. M. Leverrier, to whom belongs the right of naming it, does not agree to the too significative name of *Janus*, but will consent to any other—*Neptune*, for instance—which would have the assent of astronomers.”—M. Leverrier has, it is said, received the decoration of the Legion of Honour.

A Frankfort journal mentions that M. Bottger, of that city, has invented a cotton-powder similar to that of M. Schönbein.—From the same city, we learn that the assembly of *Germanists*—that is, writers and literary men who are occupied with the history of the German language and laws—held their first sitting there on the 24th ult.; and have chosen Lubeck for their place of assembling next year.—At Genoa, the Scientific Congress—which, our readers know, meets at Venice next year, has appointed Bologna as its meeting-place in 1848.—Rome, Palermo, Sienna, Verona, Sinigaglia, Modena, and Pavia having all had their claims under discussion. There seems, however, to be, even yet, some disposition to take advantage of the sudden Pontifical adhesion, by assembling in the External City. A meeting of Scienziati, under the very nose of the Pope and shadow of St. Peter’s,

reads like the mere suggestion of a dream, in view of the reports which have, from time to time, appeared in this paper.—We may add to our notice, last week, of the message conveyed by the Prince of Canino from the Pope to the Italian savans assembled at Genoa—that His Holiness bade the Prince at the same time declare to the Congress his intention to restore at Rome the suppressed Academy of the Lincei.

A correspondent, addressing us from Rome, writes as follows:—“The net of railway which the Pope seems disposed to grant will embrace six principal lines—from Rome to the frontier of Naples—from Rome to Civita Vecchia—Civita Vecchia to the frontier of Tuscany—Bologna to Ferrara—Forli to Ravenna. There is talk, also, of two great lines, from Civita Vecchia to Ancona, and Ancona to Bologna, which might be executed by the united resources of the Papal government and the companies. The entire web of Roman railways would embrace 1,025 kilometres; and the expense of construction, it is estimated, would amount to 256,250,000 francs.”

We mentioned, a short time ago, the adhesion of Saxony to the copyright principle already established between this country and Prussia. The *Gazette* has now published the notification of a treaty entered into with the King of the former country, whereby due protection has been mutually secured for the authors of books, dramatic works, or musical compositions, and the inventors, designers, or engravers of prints and articles of sculpture, and the authors, inventors, designers, or engravers of any other works whatsoever of literature and of the fine arts, in which the laws of Great Britain and of Saxony do now or may hereafter give their respective subjects the privilege of copyright, and for the lawful representatives or assigns of such authors, inventors, designers, or engravers, with regard to any such works first published within the dominions of her Majesty. The treaty to take effect after the first of September. An Order in Council is also, as in the case of Prussia, published, by which, in lieu of the duties of customs now payable upon books, prints, and drawings, published at any place within the dominions of Saxony, there shall be payable only the duties of customs following:—On books originally produced in the United Kingdom, and re-published at any place within the dominions of Saxony, a duty of two pounds ten shillings per hundredweight; on books published or re-published at any place within the dominions of Saxony, and not being books originally produced in the United Kingdom, a duty of fifteen shillings per hundredweight; on prints and drawings, plain or coloured, published at any place within the dominions of Saxony, a halfpenny each, if single, and threehalfpence per dozen if bound or sewed.—This order takes effect from the 1st of the present month.

**DIORAMA, REGENT’S PARK.—REDUCED PRICE OF ADMITTANCE.**—Now OPEN, with a highly interesting exhibition representing the CASTLE and TOWN of HEIDELBERG (formerly the residence of the Electors of Palatinate), under the aspect of Winter and Summer, Mid-day and Evening; and the exterior view of the CATHEDRAL of NOTRE DAME at Paris, as seen at Sunset and by Moonlight, and which has been universally admired. Both pictures are painted by the late Chevalier Renoux. Open from 10 till half-past 4. Admittance to view both Pictures.—Saloon, 1s.; Stalls, 2s. as heretofore.

**MEETING FOR THE ENSUING WEEK.**  
TUES. Zoological Society, half-past 8.—Scientific Business.

#### FINE ARTS

##### FOREIGN CORRESPONDENCE.

Constantinople, Sept. 10.

**Mr. Layard’s Excavations at Mosul.**—The intelligence received here, by every post, from Mosul, continues to excite our curiosity with respect to the excavations in that neighbourhood. After the splendid discoveries of M. Botta, and the facilities afforded to that gentleman both by his own Government and the Porte, it was scarcely to have been expected that anything of extraordinary interest would have been left unexplored. But the subsequent labours of our countryman, Mr. Layard, have satisfactorily proved that the sculptures of Khorassan had form but a sample of the treasures of antiquity which still lie buried—and almost miraculously preserved for centuries—under the various mounds scattered about Mosul. Another mine has been opened by Mr. Layard at Nimroud; and every stroke of the pick-axe brings new wonders to light. Really, this resurrection of old Nineveh, after its very existence

had become

is among the

day. And

buildings an

thousand in

probability to

ciphered, —

excavations to

everybody, t

to biblical

Prophecies,

may contain

several

will be well

phon says that

at a short

a ruined city

inhabited by

aid of con-

Larion.

the ruins of

although no

given by Xe-

pid by the

pretty nearly

evidently on

deserted and

and a half f

of mounta

is now exca-

about 1,800

Knephon h

scient—

in post-diluvia

I were hard

that in the

Resen is ca-

other good a

gather, and

Nineveh, whi

which ended

preensive, in

must be atta

especially w

almost ever

and errors a

ions of that

the city of A

foundation t

friendly. T

is comple

ments oppo

more recent

country ced

all this, ho

the original

may have b

more recent

Scythian, Ba

we question

very careful

there with t

equally care

in a rec

Layard say

abour on h

seriously at

good mater

neous like

minatory

assent, t

spec; and

his imag

at explan

understand

knowledge

the process

you the key

had become little better than a vague historic dream, in among the most marvellous events of the present day. And when we learn that, in addition to the buildings and sculptures, there have been many thousand inscriptions discovered,—and that in all probability these inscriptions will be ultimately deciphered,—we may conceive the importance of the excavations to historical research. It must occur to everybody, too, how invaluable they may turn out to biblical illustration and the interpretation of the Prophecies. Among these inscriptions, how many may contain records of the chosen people whose names were so long connected and blent with those of Assyria!

But speculation, however tempting, is premature till I shall have explained all that has actually been done. The results, with the small means which Mr. Layard has had at his disposal, exceed everything that could have been foreseen. He has opened fourteen or fifteen chambers, and uncovered 250 sculptured slabs.—But before giving any particulars, it will be well to describe the site of the ruins. Xenophon says that, after the Greeks had crossed the Zab, and at a short distance from that river, they came upon a ruined city, on the banks of the Tigris, formerly inhabited by the Medes—in which there was a pyramid of considerable size. This city was called Larissa. This description corresponds exactly with the ruins of Nimroud. The pyramid still exists—although now covered with earth. The dimensions given by Xenophon agree with the space now occupied by the ruins; and the distance from the Zab is pretty nearly the same. The Tigris, however,—which evidently at one time flowed under the city walls,—has deserted its ancient bed, and is now about a mile and a half from the ruins. There is a large collection of mounds enclosed within a wall. Mr. Layard is now excavating the principal mound—which is about 1,800 feet by 900. The city called Larissa by Xenophon has been identified with one much more ancient—in fact one of the primitive cities of the post-diluvian world—viz., Resen; on what ground it is hard to say—though probably from the fact that in the Samaritan version of the Pentateuch Resen is called Lachissa. Major Rawlinson and other good authorities reject this identification altogether, and believe Nimroud to represent the real Nineveh—the capital of the first Assyrian empire, which ended with Sardanapalus: and Mr. Layard, I perceive, inclines to the same opinion. Great weight must be attached throughout the East to traditions,—especially when referring to geographical positions. Almost every site of any interest in this part of the world has been determined by reference to them,—and errors have been very rare. Now, all the traditions of that country refer to Nimroud as the primitive city of Assyria and its ancient capital; assigning its foundation to Nimrod and his *Kiayah Ashevi* indifferently. The latter fact is very curious,—as tallying completely with the biblical statement. To the north opposite Mosul, usually called Nineveh, a more recent date is assigned;—all remains in the country ending in point of antiquity to Nimroud. All this, however, is, of course, no proof that the ruins and sculptures now disinterred appertained to the original city. They may have done so—or they may have belonged to more recent erections, under more recent dynasties, during the Assyrian, Median, Babylonian, or Persian occupations. These questions can be determined only after a very careful comparison of the objects discovered there with those of other countries and sites, and a equally careful examination of the inscriptions.

In a recent letter to a friend at this place, Mr. Layard says that he has so much actual manual labour on his hands that he has not time to work seriously at the inscriptions,—although he has got good materials and good data. Major Rawlinson, however, appears to be making progress; and it seems likely that we shall ere long have some satisfactory results. As far as I have been able to ascertain, the French have done nothing in this respect; and M. Botta, it is believed, intends to publish his inscriptions without any comment or attempt at explanation. As you, perhaps, may not fully understand the extent and nature of the cuneiform knowledge which has been arrived at, together with the process of deciphering, I will endeavour to give you the key.

There are three great divisions in the cuneiform writing now admitted,—the Persian, the Median, and the Babylonian. It is probable that there are some variations; but this is the division now accepted by those best informed on the subject. These three kinds occur in inscriptions placed in parallel columns—the one being a literal translation of the other—in various parts of Persia. The first attempt at deciphering was made by Grotewell; who, by a series of happy conjectures—being entirely ignorant of the language in which he justly supposed the inscriptions to be—determined several proper names. Burnouf, Lassen, Rawlinson, and others, worked upon this clue, established the correctness of Grotewell's views, and succeeded in determining the construction of the language; which was found to have the closest affinity with the Indo-Germanic family of languages, particularly the Sanscrit—with which it is nearly identical. Hitherto, it should be borne in mind, only the Persian, or simple, character had been attempted. Major Rawlinson, having succeeded in copying the great inscription of Bisutun, (nearly 1,000 lines in length) which had hitherto been deemed inaccessible, obtained an immense addition to the materials already possessed (which consisted in fact of little more than proper names and titles of monarchs); and has added largely to our knowledge of the language. The Persian is now afforded a key to the two other languages—the Median and Babylonian. Unfortunately, the Babylonian column of the great Bisutun inscription is almost completely defaced:—otherwise Rawlinson would have obtained at once what was required. There existed one other long trilingual inscription over the tomb of Darius, at Persepolis; usually known as the geographical inscription, from the list which it contains of the various nations tributary to Darius—but placed so high on a perpendicular rock that it can only be copied by the aid of a telescope. The two artists Coote and Flandin—who were sent out with the French embassy expressly to collect inscriptions and make drawings of antiquities—by some unaccountable negligence omitted to take a copy of this very important inscription—by far the most important at Persepolis; although, with the opportunities which they enjoyed, they might easily have done so. The first traveller who succeeded was Westergaard, a Dane; who visited Persepolis not long since, and has just published this inscription. With the help which it affords, and with the assistance derived from some fragments at Bisutun, Major Rawlinson has determined the key to most of the Babylonian letters; and has proved the language to be Semitic of the Chaldean stock. Any one possessing a copy of the Persepolitan inscription may now attempt the deciphering of the Babylonian inscriptions; but, from Major Rawlinson's great ingenuity, perseverance, and intimate knowledge of the cognate branches of the subject, he will be first in the field. As for Mr. Layard, as I have already said, he has, for the moment, little leisure for the inquiry. It should, moreover, be remembered that, although the character used at Nimroud, Khorsabad, and various other Assyrian ruins, is evidently of the same class as that found in the Babylonian inscriptions, it differs from it in many respects, and will probably require a distinct investigation. Such is the present state of the inquiry into cuneiform writing.

To return to Nimroud.—Mr. Layard, according to accounts received some months ago, had discovered an entrance formed by two magnificent winged, human-handed lions. This entrance led him into a hall above 150 feet long and 30 broad—entirely built of slabs of marble, covered with sculptures. The side-walls are ornamented with small bas-reliefs, of the highest interest—battle sieges, lion hunts, &c.; many of them in the finest state of preservation, and all executed with extraordinary spirit. They afford a complete history of the military art amongst the Assyrians; and prove their intimate knowledge of many of those machines of war whose invention is attributed to the Greeks and Romans—such as the battering ram, the tower moving on wheels, the catapult, &c. Nothing can exceed the beauty and elegance of the forms of various arms, swords, daggers, bows, spears, &c. In this great hall there are several entrances—each formed by winged lions or winged bulls. These lead into other chambers; which, again, branch off into a hundred ramifications. Every chamber is built of slabs covered with sculp-

tures or inscriptions: whence some idea may be formed of the number of objects discovered—the far greater part of which, in fact nearly all, are in the best preservation. Mr. Layard's excavations have been hitherto confined to a very small corner of the mound:—it is impossible to say what may come out when they can be carried forward on an adequate scale.

Enough, I trust, has been written to show the value of these discoveries as connected with Art, History, and Biblical Illustration. I will add a word with respect to Mr. Layard himself. It is but due to him to mention that the existence of these remains had been pointed out by him before M. Botta commenced his excavations at Khorsabad. The reason why the French were the first in the field is simply because they have a king and government who are prompt to appreciate and promote any enterprise which can reflect honour on the national reputation for taste and intelligence. After a most liberal allowance to M. Botta for his private expenses—a sum of 50,000 francs remuneration—above 100,000 francs for the expenses of excavating—and a large sum to M. Flandin for remuneration and expenses—the Chambers have just voted 292,000 francs to Botta and Flandin jointly for the publication of their work on Khorsabad. Add to all this the expenses of removal to Paris,—and you will have nearly 30,000! This at least will prove the importance which they attach to these discoveries. It is painful, after witnessing this munificent patronage of science by the French Government, to think that, up to this moment, nothing whatever has been done to assist Mr. Layard in his researches by our own. It is true that Sir Stratford Canning, at his personal risk and expense, has very liberally contributed towards the carrying on of these excavations. It required, moreover, all the influence which he had gained with the Sultan to obtain a firman for the purpose. But in an undertaking of this nature, private munificence can scarcely be expected to keep pace with national; and you can imagine how mortifying it must be to Mr. Layard to find, after a year's indefatigable exertions—crowned too with such brilliant results—that nothing has been done by the British Government to mark its interest in his labours. For anything he can know to the contrary, his civilized countrymen sympathize with his pursuits just as little as the Turks themselves. Such neglect is discreditible to the English ministry. I cannot suppose that assistance is withheld from motives of economy:—the present administration, I believe, has not the character of being a miserly one.

**FINE ART GOSSIP.**—*Fresco-painting* appears likely to justify, in this kingdom, the sanguine anticipations of its promoters. We have latterly called attention to some recently-accomplished productions in this department of Art:—and we now learn that Mr. Dye, whose fresco in the new House of Lords was amongst these, has obtained, among other similar demands upon his talents, a commission from her Majesty for a fresco painting, of considerable dimensions, at Osborne House.

It is in contemplation, we hear, that Government Schools of Design shall be established in Dublin and Belfast. The carefully-adjusted institution of such means of general and artistic improvement would, we need scarcely say, be reckoned among the worthy efforts for the moral and statistical welfare of the sister country.

Workmen are, at present, busily employed in removing a portion of the scaffolding by means of which the huge “horse and his rider” were elevated to their position on the now degraded arch at Hyde Park Corner. Till this be done, we cannot undertake to make any report on the merits of the work, or on its general relative effect.

The ceremony of laying the first stone of the monument to be erected in honour of Christopher Columbus took place, at Genoa, on the 27th ult.

From Athens, we hear that two very fine antique statues—one supposed to be an Apollo and the other Ceres—have been discovered in a house in the neighbourhood of Vostizza, in Achaea. The government has taken measures for their preservation; and it is expected that they will be placed in the Museum at Athens. There has been found, too, in Sparta, a

sphinx said to be of admirable workmanship;—which was immediately sent to the Museum.

The Emperor of Russia has just issued an order which indicates progress. The duties on passports in that country are, it is known, very heavy,—and go on increasing for every six months that the bearer remains abroad. The order in question exempts artists and pupils belonging to the Imperial Academy of the Fine Arts, who may wish to visit foreign countries for improvement, from the payment of the usual dues charged on these—provided they produce a certificate from the Academy stating that they possess a proper degree of talent.

Referring to our remarks on the subject of the petition addressed to the Royal Academicians by the Society for the Suppression of *Study from the Life* (Vice), the *Journal des Débats* shrewdly asks, How it is that a body which has so fine an eye for seeing through stone walls has never happened to run against the Achilles in the Park?—The answer is, that the peculiar organization which looks into the heart of millstones is, by the very nature of its mysterious exercise, made a blinder in the sunshine. It is owing to this effect, that the society in question winks in the light of certain influences by which the Achilles—and some other questionable figures that walk under their noses and tread on their very heels—are surrounded.

#### MUSIC AND THE DRAMA

DRURY LANE.—The season commenced last Saturday, and has hitherto been occupied with the revival of 'The Crusaders,' 'Maritana,' 'The Bohemian Girl,' and 'The Maid of Artois.' The novelties are, a new drop curtain substituted for the Acid and Galatea pictures, and a new *ballet* called 'The Offspring of Flowers,'—in which Mdlle. F. Fabri fully justifies the expectation which she excited last season. There is not much originality in the subject or treatment of the *ballet*; but there are some striking incidents which are at least happy. The "offspring" is, in fact, a fairy, called up, on an emergency, by another fairy, named *Gossamer* (Mdlle. Adele)—though by what right or power *Gossamer* fairies exercise authority over flower fairies is not (perhaps not to be) explained. Be this as it may, *Enrico*, a page of the court of Asturias (M. Bretin), is saved from desperate suicide by the benevolent *Gossamer*. Of course, there is no other reason for his rash attempt than his having been crossed in love. The Duke of Asturias has married his daughter, *Princess Estelle* (Madame Theresa Theodore), to the *Prince of Galicia*, and she is thus lost to the youth for ever. The *Gossamer* fairy seeks to heal the wound by inducing him to fall in love with one of her train; but fails in her endeavour, until she succeeds in evoking *Ersilie* (such is the name of "The Offspring of Flowers") and by her assistance the purpose is attained. *Ersilie* is content to become mortal for the sake of a mortal; and the page would, indeed, be fastidious if he should remain unfeasted by so spirited and elegant a *dansuse*. Among the attractions may be numbered a mirror-dance, a lake-dance, a shawl-dance (the last brilliant in its effects, the shawls being contrasted in colour), an air-dance, and a Castellana far excelling every previous experience of a Spanish dance for variety and continuity of movement. No wonder that the page determines to return to court with his beautiful and accomplished bride! Here they arrive in time for the latter to win prize proposed for "the most graceful,"—and for which the *Princess Estelle* herself was a candidate. M. Bretin and Mdlle. Fabbri having achieved this triumph, the *ballet* concludes amid much applause,—well deserved by both artistes.

Balfe's opera, 'The Maid of Artois,' was revived here on Thursday, for the dramatic *début* of Madame Anna Bishop. It is now nearly eight years since this lady disappeared from our concerts;—during which interval frequent rumours have reached us of her continental success as a dramatic singer. She left, an accomplished artiste; whose voice and style—most satisfactory in the concert-room—gave, however, but little promise of that strength of organ and declamatory passion so requisite for stage success. The accounts of her progress abroad have since prepared us to receive a valuable addition to our English *prime donne*; and that we were not singular in this

expectation the crowded state of the house on Thursday testified. An appeal to a London audience is rendered additionally trying by the prestige of foreign success; which raises the standard of criticism many degrees. But, though we cannot deem Madame Bishop to have wholly justified the extravagant encomiums by which she was heralded, we can at least hail her as a welcome accession to our *corps opéra*. Her stage requisites are just such as we should have anticipated from our recollection of her in the concert-room. Her *personale*, as most of our readers will remember, is extremely pleasing—grace and elegance, rather than power, being the chief attributes. Her voice—a light and high soprano—is flexible and perfectly under the command of a good system of vocalization;—her intonation is rarely at fault. These are great, and somewhat rare, qualities; and we can only wish that we had found, along with them, distinct enunciation and passionate declamation. The former is a requisite in all forms of vocal display—the latter not to be dispensed with in a part which, like that of *Isolde* in 'The Maid of Artois,' is identified with the memory of Malibran. Madame Bishop has scarcely the *physique* requisite to sustain an arduous part in grand opera; and—without intending any disparagement—we cannot recognize that ardent genius (how rarely found!) which triumphs over all physical disqualifications. The want of that self-abnegation which is one of the true tests of dramatic power was strongly evidenced in the delivery of the dialogue; which was generally passionless, Madame Bishop appearing to be wholly engrossed by her vocal efforts. These, however finished, must necessarily appear wanting in purpose, from the absence of general earnestness. We have been thus stringent in our remarks because the public have been led to expect in Madame Bishop a great dramatic singer. Readily acknowledging, as we have said, her great vocal and personal accomplishments, we cannot but think that she has mistaken her forte when she presumed it to be grand opera;—and that, favourable as was her reception on Thursday, a yet greater success awaits her in comic opera, should she try her powers in that direction. The piece was generally well sustained: Mr. Borroni playing the *Marquis de Château Vieux*,—and, Mr. Harrison as *Jules de Montaigut*, acting with an earnestness and propriety seldom found in an English singer.—The opera (which had undergone some alterations, for the occasion, by the composer,) was announced for repetition amidst unanimous applause;—and, so far as public demonstration goes, Madame Bishop's success was triumphant.

HAYMARKET.—On Monday was revived Holcroft's comedy of 'The Deserter's Daughter,' under the name of 'The Steward.' These alterations are seldom satisfactory; and the piece, on this occasion, calls for little remark. The parts of *Mordent*, *Cheveril*, and *Joanna*, were performed, for the first time, by Mr. Stuart, Mr. Hudson, and Miss Julia Bennett. *Item* was embodied with his usual villainous unctuous by Mr. Farren. *Jonathan Winter* found a respectable representative in Mr. Webster; and Mrs. Glover's *Mrs. Sarsnet* was as busy and pert and right-hearted as could well be wished. 'The Poor Gentleman' has been repeated; and the 'Clandestine Marriage' and 'The Rivals' have also been revived during the week. The farce of 'The Fortune Hunter' improves on repetition; and the production of a new piece in three acts is announced for this evening.—We perceive that Mr. Planché's name as "acting manager" of the theatre has been withdrawn—the actual office which he holds not entitling him, as he has informed us, to the appellation. His duties, we are told, are confined to superintending matters of costume and scenic decoration.

#### MISCELLANEA

Paris Academy of Sciences.—Sept. 28.—M. Arago communicated to the Academy a letter which he had received from M. Meriam, of Brooklyn, in the United States, on meteorological phenomena.—M. Boulniers-Gravier laid before the Academy his observations on the aurora borealis which was partially visible on the 22nd.—M. Arago made some remarks on the subject of M. Schönbein's cotton-powder; but he communicated nothing which was not already known through the English papers, except the fact that M. Schönbein has refused to reveal his secret to the

Academy.—A paper was received from M. Mezery on the effect of projectiles fired through barrels on the introduction into which requires force. He states, an already well-known fact, that the more resistance a ball offers to the action of the powder, the greater is the impulse given to it. Hence results the superiority of rifle barrels; but up to the present time the system has not been applied to cannon. M. Mezery proposes that this should be done.—A letter was received from Dr. Dheran giving an account of some experiments which he had made, in May last, with charcoal-powder, to prevent disease in the potato.—M. Lirach informed the Academy that he had made some experiments in raising beet-root on the banks of the Aarach, in Algeria, extending to the foot of the Atlas; and that he is of opinion, from the results that he has obtained, that it will thrive much better in these latitudes than the sugar-cane.—M. Person read an account of his experiments on the fusion of alloys. The result of them, he says, is a conviction that the heat required for a mixture of metals may be known beforehand by a mathematical calculation founded on a knowledge of the precise degree of heat required for the fusion of each metal in a separate state.—M. Dumas read the report of a committee on the paper of M. Lewy, relative to the composition of the gases which are held in solution by sea-water. M. Lewy has stated, that whilst the water of rivers contains per litre 40 cubic centimetres of gas, that of the ocean contains only 20 cubic centimetres; and that this quantity varies according to the hour of the day at which the experiment is made, as he shows by the following table.

	Morning.	Evening.
Carbonic acid	34	29
Oxygen	54	60
Azote	11.0	11.6
	19.8	20.5

The committee report that they have verified the statement of M. Lewy, and found it to be correct.

#### SIXTEENTH MEETING OF THE BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.

[From our own Correspondents.]

WEDNESDAY, SEPT. 16.

##### SECTION B.—CHEMISTRY.

'On the Nature of Lampic Acid,' by Prof. CONNELL.

'On the Connexion between the Isomorphous Relations of the Elements and their Physiological Action,' by J. BLAKE.—In a paper read before the Academy of Sciences at Paris, the author remarked that when introduced directly into the blood, the salts of the same base appear to exert the same effect on the animal economy. Since that time, further researches have led to the discovery of a law, equally interesting under a chemical as under a physiological point of view. The law alluded to is that, when introduced into the blood, all isomorphous substances produce analogous effects, and give rise to the same reactions in the animal economy. This law has been verified by an extended series of experiments with the salts of magnesia, lime, manganese, iron, cobalt, nickel, zinc, cadmium, copper, bismuth, lead, baryta, strontia, soda, silver, potash, ammonium, palladium, platinum, osmium, iridium, antimony, the acids of phosphorus, arsenic, bromine, chlorine, iodine, sulphur, and selenium. One of the facts observed is, the connexion which exists between the physiological action of these substances, and their isomorphous relations to the elements of the blood. It is found that those substances which exist in the blood, or which have isomorphous relations with its elements have the least marked reactions: thus, phosphoric and arsenic acids can be introduced into the veins without producing any marked phenomena; whilst, on the other hand, those elements which are most distinct in an isomorphous point of view, from the constituents of the blood, are those which give rise to the most marked phenomena. Two drachmas of arsenic acid injected into the veins will produce no marked effect on any organ; but a grain of chloride of palladium or two grains of nitrate of baryta are sufficient instantly to arrest the movements of the heart. Several other instances analogous to those quoted were pointed out.

'On the Action of Oxalic Acid upon the Blood and Dead Tissues of the Animal Body,' by Dr. LETHWELL.—It has been stated by Dr. COINDET, Dr. CHRISTIAN, and others, that oxalic acid does not appear to have

any corrosive acids. Dr. statements has made. poisoning found to be held together with various stomach, in of oxalic acid about twelve 60° Fahr. mucous tissue solution, under the aluminum and looked bath; by obtained, combination dissolved cold alcohol. 'On an of Animal was a recan Thomas mission, an Parliament on the Fox. 'On a paper of a paper b attention the applic many of nearly value of sulphur as an example their use dents may enforcing experimental cultural and medical use. 'New Volcanoe detailed the in the author Sir Ham due to the of the case may know forward it. A disc Prof. Gavinent p. heat, the earth the grad the idea of the degree of matter matter in the limits referred are acque 'On the of Abyss land of A comis of Red Sea the high Sea, be this view. Dr. Bel Tarin, (Adulis,) has an angle of land, at Blue R. and at elevation

any corrosive action on the stomach like the mineral acids. Dr. Letheby, however, remarks that these statements are opposed to the observations which he has made. In every case which he had examined of poisoning by oxalic acid, the stomach after death was found to be so completely corroded that it would not hold together. Numerous experiments were made with various animal tissues, such as subcutaneous skin, stomach, intestine, muscle and tendon to the action of oxalic acid of different strengths. After standing about twelve or fourteen hours at a temperature of 60° Fahrenheit, it was found that the cellular and mucous tissue of each underwent either complete solution, or else was so softened that it broke down under the pressure of the thumb and fingers—the albuminous and muscular tissues were also softened, and looked as if they had been scalded. The solutions were then filtered and evaporated in a water bath; by which means a gelatinous looking mass was obtained, and the oxalic acid had so entered into combination with the gelatin that it could not be dissolved out in its usual manner by the action of cold alcohol.

'On an important Chemical Law in the Nutrition of Animals,' by Dr. R. D. THOMSON.—This paper is a recapitulation of the results obtained by Dr. Thomson when engaged on the Government Commission, and published in the Report presented to Parliament, and also in Dr. Thomson's 'Researches on the Food of Animals.'

'On certain Principles which obtain in the application of Manures,' by W. C. SPOONER.—This was a paper by a practical agriculturist, who has paid attention to the recommendation of chemists as to the application of manures. It was pointed out that many of the recommendations of chemists were nearly valueless to the practical farmer, on account of the expense involved in the application. The use of sulphuric acid and silicate of potash were adduced as examples,—the expense in both cases rendering their use impossible, however valuable these ingredients may prove. Many other examples were given, enforcing on chemists the connecting with their experimental inquiries the practicability of their agricultural applications, both with reference to economical use and the ease with which they may be employed.

'New Facts bearing on the Chemical Theory of Volcanoes,' by Dr. DAURENY.—This communication detailed the views formerly promulgated by the author in support of that at one time entertained by Sir Humphry Davy, that volcanic phenomena are due to the action of oxygen on the metallic bases of the earths and alkalies—and the compositions of many known volcanic products were now brought forward in support of the original theory.

A discussion ensued, in which Prof. MATTEUCCI, Prof. GNOVÉ, and Mr. HUNT took the most prominent part. It was shown that numerous sources of heat, arising from chemical actions, existed in the earth independently of oxidation, and that the gradual increase of temperature, as observed if the deep mines of Cornwall, appeared to favour the idea that at a great depth beneath the surface a degree of heat must exist in which the conditions of matter must be different from those that exist within the limits of human penetration,—to which may be referred all the volcanic phenomena with which we are acquainted.

#### SUB-SECTION C.—GEOGRAPHY.

'On the Physical Character of the Table-Land of Abyssinia,' by DR. BEKE.—The high table-land of Abyssinia, in which the head-streams of the Nile have their origin, was formerly supposed to consist of a succession of terraces, rising from the Red Sea to Ennára. Dr. Rüppell first showed that the highest land was really on the coast of the Red Sea, becoming gradually lower in the interior, and this view was supported by the section exhibited by Dr. BEKE. At Háláí, on the summit of Mount Tántá, 23 miles from the Red Sea, at Zálá (Adulis) near Massowáh, the edge of the table-land has an absolute elevation of 8,625 feet,—giving an angle of 3° 33' to the eastern slope. On the other hand, at Khartúm, at the junction of the White and Blue Rivers, in nearly the same latitude as Háláí, and at a distance of 380 geographical miles, the elevation of the Nile is 1,525 feet, the fall in that

direction therefore, is only 1 in 324. Consequently, on a line along the 15th parallel of N. lat., the eastern slope of the Abyssinian mountain chain towards the sea is to the western counter-slope towards the Nile as 20 to 1. If the proportion of the slopes be calculated in the general direction of the principal rivers, from S.E. to N.W., the result still shows a proportion of 12 to 1. As a whole, the table-land of Abyssinia presents a succession of extensive undulating plains, declining very gradually towards the west and north-west, and intersected by numerous streams, which, after a short course on the level plateau, fall abruptly into wide, deep-cut valleys. In ascending these valleys it is easy for a traveller to imagine he is approaching a mountain-chain, as he finds himself surrounded by broken country rising on all sides to a relative elevation of 3,000 or 4,000 feet, whereas, on reaching the summit, he has merely arrived upon the table-land. Where the rivers break from the table-land they form cataracts 80 or 100 feet high; and then continue in a succession of falls and rapids so as to descend several thousand feet in the course of a few miles. The uniformity of the surface is further broken by detached mountain masses, attaining an elevation of 11,000 to 15,000 feet. Many of the rivers have a peculiarly winding course round the higher mountains, returning upon themselves very near their sources. One of these, the Godjeb, of which the first accounts were given by Dr. BEKE, is not the head of the Jub or Gowind, but one of the principal arms of the true Nile. All the streams of the western slope of Abyssinia are affluents of the Nile. On the seaward slope, the declivity being much more abrupt, the rivers are of secondary importance; and the author infers that as far as this line of watershed continues to the south, the greater part of the tropical rain will find its way to the ocean by rivers discharging themselves on the western coast. Dr. BEKE concludes by recommending the climate of Abyssinia as peculiarly fitted for the sojourn of travellers before exploring the interior of Africa,—as here they may wait with safety till the proper season arrives.

'Synopsis of a Proposal respecting a Physico-Geographical Survey of the British Islands, particularly with Relation to Agriculture,' by W. D. COOLEY.—The writer urges the importance of a knowledge of all the variations of climate, and other causes, which influence the vegetation of particular districts,—such as the quantity of rain which falls at different seasons, the temperature, and the form, and conducting and radiating properties of the land, &c. These particulars could only be derived from numerous observations, systematically made and referable to a common standard, and the author recommends they should be made and published at the public expense. In the absence of such knowledge farming has been founded to a great degree on imitation,—practices being adopted under conditions differing from those which originally conferred success; whereas, at the present day, each country ought to restrict itself to that kind of cultivation for which nature has especially fitted it.

Mr. GREENOUGH remarked that an agricultural survey of England would be quite as important and useful as the present geological survey.

'On the Georama,' by M. GUÉRIN.—In the absence of the author, Mr. Greenough stated that the Georama was a picture of the whole globe, painted on the same side, and constructed in the same manner, with the Panorama of London at the Colosseum; light being admitted by making the ocean transparent. M. Guérin had constructed one of these at Paris, and proposed to make another in London.

J. YATES exhibited a collection of specimens of the fossil remains of *Zamia gigantea*, from the inferior oolite near Whitby; consisting of detached leaves in various states, stems with leaves, and what appeared to be the fruit. It was his intention to forward them to M. Adolphe Brongniart,—not having succeeded in getting them examined by a botanist in England.

#### SECTION D.—ZOOLOGY AND BOTANY.

'On certain Peculiarities in the Anatomy of *Limax Sowerbyi*,' by Prof. ALLMAN.—From these the author was led to infer that this animal belonged to the genus *Helix*.

Mr. WOLLASTON read the following letter from the Hon. F. STRANGWAYS:—In the neighbourhood of

Alexandersbad, near Wunsiedel, a few miles south of the road from Bayreuth to Eger, in the Fichtelgebirge, is a mountain called now the Louisenberg—formerly the Luchsberg—which is much visited by strangers on account of some of its natural peculiarities. It appears not to consist of any mass of rock *in situ*, but to be an enormous heap of disconnected, but rounded, fragments of granite, thrown confusedly upon one another, leaving arches and passages and grottoes of various sizes wherever the interstices have not been filled up with smaller pieces, together with granitic gravel. The whole is so overgrown with wood that, except where paths have been made, it is difficult to penetrate. The rounding of the blocks seems to be rather the effect of disintegration than of water. One of the caverns or chambers, formed by a single flat table of granite resting horizontally, as a roof, upon other masses, is a tolerably exact circle of nearly sixty feet English in diameter. Many that penetrate deeper into the mountain or mass of rocks are mere crevices; but they present a remarkable phenomenon, which is not observable in the more open ones. This phenomenon consists in a pale but beautiful greenish yellow phosphorescent light, which, as the observer proceeds into the cave, becomes stronger and stronger, till it can be compared only to that of hundreds of glowworms lying close together on the ground; and it is singular that the light, however strong it may be, does not assume the appearance of a sheet, but always seems to lie in spots, though close together. On taking up some of the mould upon which this phosphorescence appears to rest and bringing it to daylight, its own light, as might be expected, is overcome, and disappears; nothing being seen in the hand but the black earth, a little sand, some minute whitish cryptogamic powder (?) and a few fronds of a very small filmy moss of a pale, transparent green colour. On taking the mould back into the darkness, the phosphorescence reappears, but so much dimmed that it should seem as if the slightest disturbance had a tendency to dissipate it, and that it required time and repose to form or collect it anew. The traditions of the country, or rather the superstitions, have long pointed out this mountain both as the repository of gold and precious stones, and as the abode of evil spirits, or Kobolds, who amuse themselves by tantalizing credulous mortals with the view of gems and riches without end, which, when touched, are turned into dross or vanish from the sight. The explanation given by this phenomenon to such a belief, current among a simple and imaginative people, is evident. The original name of the mountain itself, Luchsberg, i.e. Lynx-berg, is somewhat expressive of this peculiarity.

Mr. BABINGTON observed that the light alluded to was probably due to the moss; as he had himself observed the same phenomenon in a moss known by the name of *Schistostega pennata*.—Dr. LANKESTER stated that a discussion on this subject had taken place at previous meetings of the Association; and that there was still no satisfactory explanation of the causes of luminosity in plants.

'On the Structure of the Pycnogonideæ,' by Dr. CARPENTER.

'On proposed Substitutes for the Potato,' by Mr. MORRIS STIRLING.—The Jerusalem artichoke, scorzonera, and plants yielding starch in their roots, were proposed; and as a means of improving the potato plant itself, it was suggested that hybrid plants should be produced between the *Solanum tuberosum* and some other species of *Solanum*.

Dr. LANKESTER exhibited the woody fibres of the *Lavatera arborea* which had been sent to the Section by Capt. Peterson through Capt. Ibbetson; with the suggestion that it might be of use in the arts and manufactures of the country. This plant grows abundantly on some spots in the Isle of Wight, and could probably be easily cultivated.—Prof. BALFOUR thought the fibres exhibited were too weak to be used in the manufacture of textile fabrics where strength was required.

'On the Figures of Birds observed on a Tomb at Memphis,' by M. BONOMI.—Since his last communication, the author had received the following note from Mr. Moreing:—“The gigantic nests to which you refer, were seen by me in the years 1829 and 1830, during the time I was attached to the Surveying Expedition in the Red Sea. I do not remember having seen them to the south of Cossier, but to the

north of that town, and about the entrance to the Sea of Suez, I observed many. They were always situated on the small sandy spits and islands with which the Red Sea abounds; but you are mistaken if you suppose them to be entirely the work of the birds which breed in them. They varied both in size and height, and were evidently formed in the first instance by the wash of the sea heaving up pieces of broken coral, drift wood, and other rubbish on the extremity of a sand spit. The birds added to the mound thus formed; and placed their nests on the top, to protect themselves from the spray in rough weather. I am not clear as to the species of bird which make use of these singular nests; but believe that more than one kind of gull avail themselves of the security thus offered."

Dr. LANKESTER stated that this communication did not in any way explain the author's supposition, —that the great birds of New Zealand, and the drawings of great birds in Egypt, and the great nests found in various parts of the world, all belonged to one and the same animal. The history of the birds and nests was well known; —the drawings could not be depended on as natural history representations.—At the conclusion of the meeting, Dr. KNOX made some remarks on the drawings exhibited by Mr. Bonomi, —more particularly on those from Pompeii, exhibiting the battles between the pigeons and the cranes.

'On the Dissimilarity in the Calcifying Functions of Mollusks, whose organization is in other respects similar,' by Mr. L. REEVE.—The four shell-secreting kinds of Cephalopods—the Cuttle-fish, the Paper Nautilus, the Pearly Nautilus, and the Spirula or Ram's Horn—each exhibit a different method of forming its shell, differing in microscopic structure, and secreted from different parts of the system, although strictly allied in all those elements of anatomical detail which constitute the soft parts or animal frame. Whilst the calcareous portion of the Cuttle-fish was merely represented by an internal bony plate, consisting mainly of carbonate of lime, the shell of the Pearly Nautilus constitutes a huge mechanical apparatus, secreted from the mantle enveloping the visceral mass, and consisting of two separate deposits—an outer crust, and an inner nacre—for the purpose of buoying up its inhabitant under the different mutations of pressure to which it is subjected in its deep region of habitation. The shell of the Paper Nautilus, on the other hand, is a light elastic boat, transparent and permeable to light, secreted only by the female for the purpose of containing her eggs; and in this animal the office of calcification is transferred, by some mysterious order, from the mantle to the hinder pair of arms. The Spirula is again totally different, it being contained within the mantle of an animal far larger, in proportion, than that of the other Cephalopods, under circumstances which at present remain unknown. The drawing exhibited was taken from a living specimen, recently collected at New Zealand, for the first time in perfect condition; but, as the proprietor is unwilling that it should be dissected, Mr. Reeve could only state that it contained a problem in the physiological history of Cephalopods, which it was extremely desirable to solve. The next point to which he directed the attention of the Section was the curious difference which takes place in the growth of the Cowry and the Olive, and which he had more fully communicated to the Linnean Society.

Mr. H. E. STRICKLAND read the report of a committee appointed to inquire into the duration of Vitality in Seeds.—The nature of the seeds sown, the kinds received, and the means taken to preserve them were stated; and persons invited to send seeds of great age to Mr. Baxter at Oxford.

'On the Developement of Cells,' by A. HENFREY.—The author believed that in all cases these were developed from a folding in of the primordial utricle. He was inclined to regard the evidence hitherto produced of the production of cells from cytoplasm as inconclusive. He did not think that the cytoplasm was the efficient cause of the development of the new cells; but that their presence in certain cases of multiplication of cells by division had led Muller, Schleiden and others to a misconception of their function. The cytoplasm is usually present at an early period of cell-life and of the full size;

and cell-division takes place, or commences, at an epoch when the cytoplasm completely fills that portion of the primordial utricle which is about to form a new cell. When the utricle expands to form a cell, the cytoplasm remains either on its walls or free in the cavity. We have here an appearance simulating the development of membranes from a cytoplasm as described by Schleiden; and it is probable that these appearances have given rise to Schleiden's theory.

Dr. KNOX expressed his conviction that something occurred previous to the formation of a cell, which it was most important should be known; but what that something was he thought was undetermined.—Prof. E. FORBES stated, that as far as he had opportunities of observing, Mr. Henfrey's views were correct. Such a formation of tissue he had described as being apparent in Thaumantias.

'Comparison of the Periods of the Flowering of Plants in the early Spring of 1846, in the Botanic Garden of Belfast, and the Jardin des Plantes at Paris;—also Notes on additions to the Flora of Ireland,' by W. THOMPSON.—The comparison showed that the same species flowered much earlier at Belfast than at Paris; though at the latter locality the spring of 1846 was the earliest of the last forty years. It was suggested that returns of this kind from the Botanic Gardens of the United Kingdom, and these again, compared with similar catalogues from the public gardens on the continent, would possess much interest.

'On the Crania of two species of Crocodiles from Sierra Leone,' by Dr. FALCONER and W. THOMPSON.

Mr. J. F. DUNCAN forwarded a fruit in many respects resembling an orange which he had observed to grow abundantly in Africa. When pulled from the tree in a ripe state the interior substance is about the consistence of an orange—and is considered superior to anything manufactured in England, as soap.—Also, a Notice of the Shea Butter Tree, growing in Africa, by J. F. DUNCAN.—This tree was first discovered by Mungo Park. It produces from its seeds a quantity of oily matter, which is used by the natives as butter. It is as hard as tallow, and may be used for making it. Some candles made of the oily secretion were exhibited to the Section and burnt; where they gave as good a light as those from any other oleaginous compound used for this purpose.

The business of the Section having terminated, Sir John Richardson, in adjourning the Meeting, referred to the improved character of the business in the department of Natural History. From being one of the least important, it had become the most prominent Section of the Association. He had been delighted with what had passed; and felt assured that the meetings of this Section alone would prove that this Institution was an Association for the Advancement of Science.

#### TUESDAY.

#### SECTION E.—PHYSIOLOGY.

'On the Physiological Action of Medicines,' by Dr. J. BLAKE.—This report was in continuation of the same subject, reported on at previous meetings of the Association, and contained a series of experiments to investigate the action of the salts of iridium and osmium, and of the acids of selenium and sulphur, on the animal economy. The salts of iridium when injected into the venous system destroy life by diminishing the force of the heart's action, and when injected into the arterial system, the capillaries are impeded and the heart's action is much increased to overcome the resistance. The action of the salts of osmium are exactly analogous to those of iridium, and to that of other members of the same isomorphous group. The effects produced by selenic and sulphuric acids when introduced into the blood are not striking, not appearing to act in a marked manner on any one organ. They agree in this with other bodies which either enter into the composition of the blood or have isomorphous relations with it. The experiments with these substances were given in detail. In conclusion, the author enumerated the new law in organic chemistry which he derives from the series of researches which this report concludes, viz.,—that the reactions which take place between the elements of the living body and inorganic compounds are not governed by the ordinary

chemical properties of these substances, but depend on certain properties they possess connected with their isomorphous relations. This law, he contended, opens up a new point of view, to conduct our organic chemical inquiries from, and satisfactorily accounts for the failure which has constantly attended attempts to explain the chemistry of animal life by analogy from ordinary chemical phenomena.

'On the Human Skeleton,' by Prof. OWEN.—The writer gave the results of his researches, extending over many years, on the homology of the human skeleton as compared with a common type, derivable from the examination of the whole series of vertebrates. As this paper will be published in the Transactions of the Association, it is unnecessary for us to report it.

'On some Diseases resulting from the immoderate Use of Tobacco,' by Dr. LAYCOCK.—The diseased action from the continuous and immoderate use of this poisonous substance was observed to pervade the mucous membranes of the digestive and respiratory systems, producing congestive inflammation of the fauces and stomach, and of the nares, frontal sinuses, larynx, and bronchial lining of the lungs. Gastritis with the symptoms of aggravated indigestion and hemoptoe were among the worst results of these affections; but it was found in many cases to produce disease of the circulating organs and of the nervous system—weakening the force and regularity of the heart's action, and diminishing the intellectual and moral powers. In conclusion, Dr. Laycock read a report from Dr. Wright confirming his own observations, and containing experiments demonstrating the physiological action of the drug on animals.

Dr. LAYCOCK also exhibited 'Diagrams showing the Mortality of Diarrhoea concurrently with progressive increase of temperature in London.'—The lines of elevation were seen to be persistently, and even minutely regular,—not coincident in point of time, but those indicating the mortality following those of temperature by about a week's interval. The tables extended over five years, and the uniformity of elevation and depression continued throughout.

#### WEDNESDAY.

#### SUB-SECTION E.—ETHNOLOGY.

'On the Nekrasowzy of Bessarabia,' by Dr. TWINING.—A small Cossack race, which chiefly supports itself by fishing, and after having been engaged in hostility with all its neighbours, settled in Russia in 1830.

'On the Natives of Timor and Macassar,' by Mrs. SHORR.—The former are of dark complexions, of 5 feet 6 inches in height, and well proportioned. They are inclined to gambling, slaving, and drinking; they are ingenious artificers and careful of the dead. They worship the devil, and are very superstitious. Their dress is picturesque. The people of Macassar are superior physically to the natives of Timor; their deportment is bold and independent, and eye beautifully fierce. Great attention is paid by the females to the dressing of their hair. They indulge in cock-fighting; but are industrious and take great pride in the neatness of their houses and gardens. The tribe of the people of Macassar designated Bogies, are a very commanding people, and ornament themselves with valuable jewellery. They are very susceptible of insult and revengeful.

'On Ethnological Philology,' by Dr. LATHAM.—The recent progress of the different departments of Ethnological Philology was calculated from various epochs. For the Indo-European class of languages, the progress was given from the work of Dr. Pritchard, on the Eastern Origin of the Celtic Nations; that of the Semitic, African, Negro, and South American tongues from the last editions of the 'Mithridates'; that of the Siberian language from the 'Asia Polyglott' of Klaproth; and that of the Malay from Humboldt's work on the Kawi language. The addition of new data in the way of vocabularies was noticed; and the tendency of philological researches to show the unity of the human race insisted on. The probable prospects of the study were indicated.

#### TUESDAY.

#### SECTION F.—STATISTICS.

'Statistics of Crime in England and Wales, for the years 1842, 1843, and 1844,' by F. G. P. NEISON.—The first point to which attention was directed was

the necessity of viewing age as an element in every investigation into the amount and progress of crime. From an arrangement of the criminal returns for the above three years, in relation to population, it appeared that the tendency to crime among the male population, at different terms of life, will be found to vary from 7.762 per cent. to 1.694 per cent., or, in other words, the tendency to crime at one period of life is more than quadruple that at another. Similar results will be found for the female population, but with a lower specific intensity to crime. It was further shown, that in the counties and districts of England and Wales a different distribution of the population is found over the various terms of life. In Anglesea, Carmarthen, and Dorset, the proportion of the population alive in the quinquennial term of life, 20-25, is under 8 per cent. of the whole; while in Lancaster, Middlesex, and Monmouth, the proportion varies from 10 to upwards of 11 per cent.; and, since the tendency to crime at the same periods of life is more than quadruple that at other periods, it follows that, although the tendency to crime in those two groups were precisely the same at the respective terms of life, there would still, in reference to the whole population, appear to be an excess of crime in the three latter counties; therefore any method of investigation in which the element of age is omitted can never show the relative amount of crime. In illustration of this principle, it was shown that during the years 1822, 1843, and 1844 the proportion of criminals in England was 1 in every 336 of the male population; but if the population during those years had been under the same distribution in regard to age as in the year 1821, the proportion of criminals would have been only 1 in every 365 of the male population. Again, assuming the same tendency to crime at the respective terms of life to prevail, the differences in the distribution of the population would, for Glasgow, produce 1 criminal in every 304 of the male population; and in two districts of the metropolis the difference is so much as to give 1 in every 33 for Bethnal-green; while in St. George's, Hanover-square, the ratio would be as high as 1 in 280; showing a difference, or rather an error, in any such method of investigation of 21 per cent. The results for England and Wales establish the same truth. In Dorset, Anglesea, Cardigan, Carmarthen, Montgomery, Merioneth, and Pembroke, the ratio of crime would be 1 in every 360; but in Lancashire, Middlesex, Monmouth, and Glamorgan, the average would vary from 1 in 325 to 1 in 313 of the male population. It was thus made evident, that calculations on the progress and amount of crime in which the element of age is neglected cannot be relied on, as they would lead to the fallacious conclusion, that districts in which the same ratio of crime prevailed were at least 20 per cent. in excess of the average of the whole kingdom. A series of tables were brought forward, pointing to the existence of an interesting law in the development of crime. It was found that, in the male sex, from age 20, crime in each successive term of life decreases at the rate of 33½ per cent., and in the female sex at the rate of 25 per cent.; so that if two tables were formed, one in which the numbers resulting from such a law were given, and the other showing the actual number of criminals, the one table, particularly in reference to the female sex, would be almost identical with the other. The paper went into an analysis of the various causes generally believed to increase or lessen the amount of crime in various districts: such as the prevalence of manufacturing, mining, and agricultural interests, the greater or less amount of wealth, and the degree of education. In the group of the manufacturing and mining districts, it was found that the actual crime was less than the average of England and Wales by 2.3 per cent.; but in the agricultural group of counties there is an excess of 5.9 per cent. of crime. Again, if the whole group of the manufacturing and mining counties be subdivided, it will be seen that in the northern mining districts crime is 5.2 per cent. below the average for the whole country; and in the cotton and woollen manufacturing districts crime is 7.0 per cent. under the average; but, on the other hand, in the districts where the silk and linen fabrics are manufactured there is an excess of 8.5 per cent. of crime, and in the hardware, pottery, and glass manufacturing dis-

tricts the excess of crime is 33.5 per cent. above the average of England and Wales. It, however, appeared evident that there is something in the condition of the mining and manufacturing population having an influence in regulating the amount of crime,—one district showing an excess of 33.5 per cent., and another being under the average by, at least, 52 per cent. This led to an inquiry into the supposed increase of juvenile crime; and a series of tables were presented showing the relative amount of crime at the younger and at the more matured periods of life, by which it appeared that if the general result for any or all of the groups or districts, whether in connexion with an increase or decrease of crime, be compared with the corresponding feature at the juvenile ages, there will not be found a single instance in which the character of that result is so strongly confirmed by the facts for the younger ages as by those at the more advanced period. It follows that if any change be found to take place in the criminal calendar of a given district, such fluctuation will be promoted, not so much by juvenile crime, as by an increase or decrease among persons in mature life,—when the conduct and dispositions of individuals come more under the influence of external circumstances. In order to obtain, as far as possible, districts in which the manufacturing or agricultural feature decidedly prevailed, a variety of combinations were made, in order to exclude foreign and disturbing elements. This was done to determine the legitimate influence of each particular condition of the people when unassociated, as far as may be, with other and different conditions; and the following is an abstract of the results obtained:—

District.	Difference per cent.	
	Increase.	Decrease.
Greatest Manufacturing .....	18.2	
Greatest Agricultural .....	6.0	
Manufacturing interest 33½ per cent. above the average .....	10.8	
Agricultural interest, 30 per cent. above the average .....	4.2	
Manufacturing and Agricultural interests nearly equal .....	4.5	
Greatest wealth .....	9.8	
Least wealth .....	1.1	

It is thus evident that so far no very marked feature has appeared to connect itself peculiarly with any individual group; and that, therefore, some further analysis is required in order to discover that element which is so powerfully concerned in producing the differences shown in some of the earlier combinations to which allusion has been made. In England and Wales, 33 per cent. of the males married under the Registration Act, signed their marriage registers by their marks, and taking this as an index to the state of education, a series of results is obtained. Taking the counties in which the proportion signing the marriage register with their marks exceeded the general average by at least 33½ per cent., and taking also the counties in which the ratio so signing their names, is, at least, 25 per cent. under the general average, it is found that in the former, the amount of crime exceeds the proportion for the whole kingdom by 13.2 per cent., while, in the latter group, crime is, at least, 30.7 per cent. below the average for England and Wales. By some it may be held, that in the two groups now referred to, the difference may be owing to some other element than simply education. It may be said, however, that the difference may arise from the influence of some other element than education—such as the prevalence of peculiar manufactures subject to fluctuations in prosperity, to increased wealth, to difference of positions in society, and, in fact, to a variety of other causes not eliminated. To meet the force of this objection, each of the preceding districts or groups was divided into two sections, so that one section differed from the other in the degree of education only which prevailed. A means being thus afforded of comparing two sections of a community similarly circumstanced in regard to manufactures, in regard to agriculture, or in regard to wealth as the case might be, in fact, differing only in regard to one important element of the inquiry, namely education; and hence the force of that element, if any should appear. The following is a brief abstract of the results arrived at in this manner:—

Group.	Difference per cent. in crime.		Difference per cent. in favour of Education.
	Least Education.	Most Education.	
Greatest Manufacturing .....	+49.4	+16.2	32.0
Greatest Agricultural .....	+8.4	+ 9	7.5
Manufacturing interest 33½ per cent. above the average .....	+23.2	- 7.2	30.4
Agricultural interest, 30 per cent. above the average .....	+10.4	- 2.6	13.0
Manufacturing and Agricultural interests equal .....	+15.8	- 9.3	25.1
Greatest wealth .....	+ 9.2	-29.4	30.6
Least wealth .....	+11.3	-13.5	24.8

In the above, the sign + signifies that the ratio of crime in that particular section is above the average for England and Wales; and the figures themselves point out the ratio per cent. The sign — is intended to indicate that the amount of crime is below the average. The last column gives the difference per cent. in the same district, which appears from dividing it into two sections, in the one of which there is the least degree of education, and in the other the highest. To the friends of education, the above results must be gratifying; showing, as they do, the immense advantages resulting from even the most elementary and mechanical acquirements toward education. There does not appear a single group in which there is not a striking difference in favour of education. In fact, a proper analysis of all the combined facts show, that following up the simple test here adopted—namely, the qualification of individuals writing their own names—the mere inability to do that much, is sufficient to account for, at least, one-third of the whole amount of crime in England and Wales.

'On the Statistics of Education in Glasgow, in 1846,' by A. LIDDELL.—This enumeration was collected by the Statistical Committee of the Sunday School Union of Glasgow. The returns show great disparity in the amount of instruction in the different districts into which the city has been divided. In Glasgow, instruction in the common branches of education may be had at the lowest rates; and when parents are so poor as to be unable to pay, it may be had gratis. The great amount of ignorance that prevails arises, therefore, from the apathy of parents; and in many cases, from their cupidity in sending their children to work at very tender years for the produce of their labour. To counteract this evil, various acts of Parliament have been passed for the purpose of regulating the labour of children. The Factories Regulation Bill (Lord Ashley's) restricts the labour of youths in the factories named to about seven hours per day, thereby giving leisure for education and recreation; but it has been found that unless the service of youths can be got for as many working hours as that of an adult they cannot be profitably employed in these factories. No record exists by which we can learn the exact number of children employed in Glasgow, prior to the passing of this Act, but there must have been several thousands; whereas, in March last, only 53 were so employed;—and in Aberdeen, where formerly there were about 1000, there were at the same date only 45. The Act 8 & 9 Vict. c. 29, which came into operation in the beginning of this year, seems to be working more efficiently in promoting the education of youths in the calico print works, to which class of factories this Act is restricted. It provides that the children shall have 150 hours' instruction every six months, between the hours of 8 in the morning and 6 in the evening. It is found that this enactment does not materially interfere with the economical working of this class of factories; consequently the children are still continued in employment; and, as far as can be ascertained from the few months' operation of the Act, they are making much more rapid progress than when receiving the same amount of instruction after work hours—which, being optional, was in many cases neglected altogether. In Glasgow, lack of education is much greater among the lower orders than in the country districts of Scotland; this in part arises from the wretchedly low pittance hitherto allowed to paupers; which compels many of them to resort to manufacturing towns for the purpose of obtaining employment for their children. It has been ascertained, from the Statistics of the Night Asylum for the Houseless and the police offices,

that 46 per cent. of the paupers are not natives of Glasgow. An amendment of the Poor Law of Scotland passed the legislature last year; which, it is hoped, may in some respects, remedy this evil. Under the authority of this Act, the parochial boards in the cities of Glasgow and Edinburgh have resolved on having Industrial Schools for the purpose of supporting and educating poor children. These schools have been for some time in operation in Aberdeen and Perth;—and if generally adopted, may be expected to remedy the evil complained of in some degree.

‘On the Charitable Dispensaries of India established by the Honourable East India Company,’ by Col. SYKES.—He was anxious to call attention to one result of the system of education recently established in India,—the medical branch; and had collected returns from the dispensaries established during the administration of Lord Auckland in Bengal and the north-west provinces. These were managed by natives under the superintendence of the European medical staff; and it was admitted that the Hindus trained in the medical schools established by the Company equalled, both in knowledge and dexterity of manipulation, the average of Europeans of the same standing. He read several of the reports made to government by these young men, and they were, in style, accuracy, and conciseness, elegant specimens of English composition. The returns comprised the particulars of 263,000 cases; of which 171,000 were known to be cured and 84,000 had ceased to attend the dispensaries, so that the result could not be ascertained. The practitioners had difficulties to encounter in consequence of the prejudices of the natives. For instance, though small pox is known to be one of the scourges of India, the number of cases in the dispensary reports was exceedingly small. The reason is, that the Hindus believe small pox to be inflicted by a malignant Deity,—so jealous of all interference, that if the parents had recourse to artificial aid her vengeance would be turned on the entire family. The contact of different castes, and the

reluctance to allow females to be seen, were also mentioned as difficulties to be overcome. Col. Sykes quoted several cases to show the skill in surgery displayed by some of the young operators who had been trained in the government school. Among the many delicate operations mentioned were six successful cases of couching for cataract. Attention had also been directed to the native medicines; 242 of which, previously unknown to English pharmacy, had been investigated,—and several of these were found to possess great efficiency and value. He exhibited minute tables of the different diseases and their different proportions in the several localities where dispensaries had been established; but said that they could not add much to medical statistics until the population of the localities had been determined,—a part of the tables which was as yet incomplete.

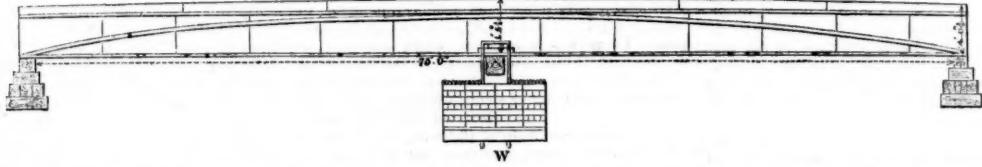
#### SECTION G.—MECHANICS.

‘On Mechanical Apparatus employed for the purpose of preventing Incrustation of Steam Boilers,’ by Mr. LAMB.—It may be defined as a self-acting blow-off apparatus. Mr. Lamb has a theory that “blowing off” should take place near the top of a boiler rather than from the bottom. He conceives that the carbonate of lime floats by means of small bubbles of steam adhering to each particle of lime. His contrivance consists of a large copper float closing the orifice of a blow-off pipe in the boiler. When the water has risen above a certain height, the blow-off valve is opened by the float, and so delivers the boiler of its excess of water. This hot water passes through a cylindrical chamber round the feed-water, so as to heat it on entering. The apparatus is simple, and is stated to have worked perfectly well.

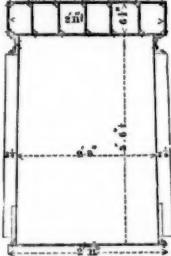
‘Experiments on the Tubular Bridge proposed by Mr. Stephenson for crossing the Menai Straits,’ by W. FAIRBAIRN.—The experiments undertaken to ascertain the best form of bridge for carrying the Chester and Holyhead Railway across the Menai Straits have led to valuable and important results.

They have put us in possession of facts which will greatly increase our knowledge of the properties of a material whose powers of combination were but imperfectly understood; for, exclusive of the rapidly increasing use of wrought iron in the construction of ships, boilers and other vessels, its application to bridges of the tubular form is probably novel, and originated with Mr. Robert Stephenson. The experiments of the most conclusive character were those made upon a model tube of a large scale, containing nearly all the elements of the proposed bridge, and the various conditions with regard to form and construction which had been developed by the previous inquiries. At first it occurred to Mr. Fairbairn that the strongest form would be that wherein the top and bottom consisted of a series of pipes, with riveted plates on their upper and lower sides. This form of top would possess great rigidity, and is well adapted to resist the crushing forces to which it is subjected; and, on the other hand, the bottom section appeared equally powerful to resist tension. Mr. Fairbairn is inclined to think that this is the strongest form that can be devised; but practical difficulties present themselves in its construction and in an easy access to the different parts for the purposes of painting, repairs, &c. The scale of the model tube is exactly one-sixth of the bridge across one of the spans of the Straits, 450 feet; it is also one-sixth of the depth, one-sixth the width, and, as near as possible, one-sixth the thickness of the plates. With these proportions and form, the experiments proceeded as follows:—In each of the experiments the weights were laid on about a ton at a time; and the deflection was carefully taken, as well as the defects of elasticity after the load was removed. —Rectangular model tube, 80 ft. long, 4 ft. 6 in. deep, 2 ft. 8 in. wide, and 75 ft. between the supports.—Thickness of the plates: bottom, 156 in.; sides, .099 in.; top, .147.—Sectional area of the bottom, 88 in., and the weight of the tube 10,888 lb. = 4.86 tons.

ELEVATION, showing the points of support on the place of the breaking weight, W.



ENLARGED TRANSVERSE SECTION, showing the interior of the Tunnel and the cellular structure of the top.



First Experiment. Breaking weight, 79,578 lb. = 35½ tons.—Ultimate deflection, 4.375 inches.—Permanent set, or defects of elasticity, with a weight of 67,842 lb., 792 inch.—With the above weight, 35½ tons, the bottom was torn asunder direct across the solid plates at a distance of 2 feet from the centre of the shackle from which the load was suspended. One of the principal objects of this inquiry was to determine the ratio or proportion between the top and bottom sides of the tube. Taking the experiment immediately preceding, it was found that the area of the top to that of the bottom, in a rectangular tube, should be as 5 to 3. These proportions were deduced from the experiments on the smaller description of tubes, or those having the corrugated top, and thick plates on the upper sides. The plates forming the top of the model tube were rather thicker than intended, and consequently gave (according to the former experi-

ments) a preponderating power of resistance to that part. To obviate this disparity, two additional strips, 6½ in. by 5-16ths in. thick, about 4 cwt., were riveted along the bottom to an extent of 20 ft. on each side of the shackle. This increase raised the area of the bottom to nearly 13 in., being about the ratio of 5 to 3 or 23.5 to 13. With these proportions, and having repaired the fractured part by the introduction of some new plates, the experiment proceeded as before. —Second Experiment. Breaking weight, 97,102 lb. = 43.3 tons.—Ultimate deflection, 4.11 inches.—Permanent set could not be taken.—In this experiment the tube failed, by one of the ends giving way, which caused the sides to collapse. The weak point in this experiment was evidently a want of stiffness in the sides. To remedy this evil, and keep them in form, a number of vertical ribs, composed of light angle iron, were riveted along the interior of each side, at distances of 2 ft.; and having again restored the injured parts, the tube was a third time subjected to the usual tests. —Third Experiment. Breaking weight, 126,138 lb. = 56.3 tons.—Ultimate deflection, 5.68 inches.—Permanent set, or defects of elasticity = 1.96 in.—After suspending a weight of 121,443 lb., the platform unfortunately gave way, causing an interruption to the experiment. This was, however, speedily repaired, and the experiment continued, when the tube was ultimately torn asunder, through the bottom plates, by a weight of 126,138 lb. The above experiment was one of the most satisfactory description, as, at the moment of fracture, the cellular top gave evident symptoms of yielding to a crushing force, by the puckering of each side, which were gradually enlarged as the deflection increased. These appearances became more apparent as the joints of the plates on the top side had cut a number

of the rivets in two, and the holes had slid over each other to an extent of nearly 3-10ths of an inch. The conclusive nature of the whole of the experiments on the model tube is highly satisfactory: they exhibit extraordinary powers of resistance; and considering that the weight of the whole material contained in the tube does not exceed 5 tons; that the distance between the supports is 75 ft.; and the load in the middle 11 times its own weight, or 22 times if equally distributed, it is probably not over-rating its powers to state that hollow beams of wrought iron, constructed on this principle, will be found (whether used for bridges or for buildings) about three times stronger than any other description of girders.

‘Experiments undertaken for the same purpose,’ by E. HODGKINSON.—Finding that a number of experiments had been made upon cylindrical and elliptical tubes, and a few upon rectangular ones, Mr. Hodgkinson expressed a conviction that the tubes then tried, and others proposed, would not be the best for the intended purpose, though they would afford valuable introductory knowledge. He urged that the tube, to bear the greatest weight, must be formed as a large beam or girder, having its top and bottom equally capable of resistance, and with sides strong and stiff enough to keep them at their proper distance; and as it was found that the tube usually gave way at the top by buckling, and hence would require additional metal, and might perhaps be very heavy, he suggested that the top should be formed of cylindrical tubes, as he felt that these tubes, or something analogous to them, would best resist the strain to which the top would be exposed. The following are some of the leading results; and, first,

\* The span has since been increased to 462 feet.

those from the following table.

Length of  
Tubes.  
Weight  
of  
Tubes.  
Distance  
between  
Supports.

1b. oz.  
47 10  
43 15  
39 0  
64 4

41 142  
65 2  
82 0  
91 1

The rectangular in inch thick, except where marked with a dot, is making a tubular bridge of 2 in. in diameter, it is enable it to be 2 in. In the curved, to all reducing the weight, in the instance of a maker than these much Hodgkinson, the former; experiments in the top, matter is of the tubular breaking.

Mr. CLAYDON proposed Menai bridge, on the lines proposed to be adopted the steam-engine connecting, but he

On the Wye bridge built for D. C. open boat, that she was 100 ft. long, and to instances where they were steered were 100 ft. O.M. built from Cork. A first rate good quality. She was weather, and was ever in

those from the fracture of two similar tubes, as in the following table:—

Length of Tube.	Weight of Tube.	Distance between supports.	Depth of Tube.	Breadth of Tube.	Thickness of metal in 16ths of an inch.	Breaking weight in Tons.
3 ft. 6 in.	100 gr.	ft. 30	ft. 2	1 in.	6 4 2	201
3 ft. 6 in.	200	30	2	0	9 6 3	655
3 ft. 6 in.	610	45	3	2	9	

The ultimate deflexion of the former tube was about  $\frac{1}{2}$  in., and that of the latter about  $3\frac{1}{2}$  in. To ascertain the power of such a tube to bear a side strain arises from the action of the wind—the smaller tube above, after being well repaired, was laid on its side, and broken, from a mean of two experiments, with 102 tons. Hence, its lateral strength was  $\frac{1}{2}$  of its original nearly; and in a narrower tube it would be considerably less. A number of experiments were made to determine the resistance of plates of wrought iron to a force of compression; and from these considerable information has been obtained with respect to the laws of their resistance to flexure or buckling. The following table contains the weights, external dimensions, and weights of greatest resistance, of some of the tubes, 10 feet long, which were subjected to a force of compression:—

Weight of Tube.	CYLINDRICAL TUBE.	
	External Diameter of Tube.	Weight of greatest Resistance.
1b. 10	inches.	lb.
47 10	2.34	31,828
45 15	2.99	37,336
50 0	4.05	47,212
64 4	4.06	49,900

#### RECTANGULAR TUBE.

41 14	4' 1 x 4'	19,646
65 0	8' 15 x 4'	23,289
82 0	8' 1 x 4'	43,673
91 1	8' 0 x 4'	27,545

The rectangular tubes above are all of plates  $\frac{1}{8}$  of an inch thick. They were all simple rectangles or squares, except the last but one, which had a division in it, making it into two squares. The proposed tubular bridge has undergone alterations in consequence of Mr. Hodgkinson's experiments and recommendations:—1st. In the thickness of the side, to enable it better to resist the action of the wind. 2d. In the top being made straight, instead of curved, to allow the escape of the steam. 3d. In reducing the rectangular cells at the top. In this last instance, however, since rectangular tubes are weaker than square ones to resist compression, and these much weaker than cylindrical tubes. Mr. Hodgkinson hopes the latter will be substituted for the former; as it would, according to the preceding experiments, effect a saving of one-fourth of the metal in the top, leaving the strength the same. This latter is of the more consequence, as the weight of the tubular bridge will bear so large a proportion to the breaking weight.

Mr. CLARKE, the resident engineer of the proposed Menai Bridge, then read a statement of the principles on which the model tubes for the tubular bridge, on the Holyhead Railway, should be increased to larger dimensions;—and Mr. EYTON exhibited the model of a compact form of vertical steam-engine, which possessed the advantage of a long connecting-rod. The plan was not quite original, but he had applied it with advantage.

#### WEDNESDAY.

\*On the Sailing Powers of two Yachts, built on the Wave Principle, by Dr. PHIPPS.—The first was built for Dr. Corrigan, of Dublin, in 1844; a small open boat, 24 feet by 6, of 34 tons, which did so well that she was able to beat everything near her own size, and to sail with those which exceed it in some instances as far as four times. She was dry in rear where they were wet, was very stiff, sure in stays, and steered well at all times. The second is a yacht of 45 tons, O.M., for Samuel Hodder, Esq., of Ringabellia, built from the drawing by Mr. Peasley, of Passage West, in Cork. She appears to have the following qualities: a first rate performance, attained without sacrifice of any good quality, large accommodation, high stability. She is weatherly, steady and easy, dry in the worst weather, and pitches and scends less than any vessel I ever saw. She turns so sharply that no 10-ton yacht can do it quicker, and steers so well, scudding

in a gale of wind, that notwithstanding an unbalanced state, from an injudicious shift of mast, she neither broaches to nor is compelled to lay to—which a companion of larger size (60 tons), and of tried sea qualities, was forced to do, and, in consequence, arrived from Cork to Dublin 14 hours after the Wave-built yacht. In a race at Kingstown for the Railway Cup of 100 guineas, in which she was matched against the best boats of the three countries, in a time race, including one fine yacht of 100 tons, she won—and did the course exactly in 4h. 22m. 58s.—it being 46 nautical miles. Making no allowance for tacking or starting from absolute rest, the rate of this is 10½ knots per hour. This is a great result for a principle yet in its infancy. The same vessel left Holyhead in a gale of wind, with storm-sails, main-sail stowed, and everything made snug; with a reefed try-sail, a double-reefed fore-sail, and third jib. She lay in one stretch to the Irish coast, where she tacked to the southward, beating down to the Arklow light in 11 hours. Six persons on board, being separately questioned, agreed that the time from Holyhead to the Irish coast was 4½ hours. Making every reasonable allowance, less than 50 nautical miles could not have been done; and this gives a velocity of 11 nautical miles per hour,—an unrecorded speed for ships of any size, close hauled, but surprising for a vessel of 45 tons, and in a very rough sea. It was, in fact, remarked on board that, as the wind freshened, her pace increased without limit. This agrees with the fact stated by Capt. Fishbourne, of the Flambeau steamer, on wave lines, that she had a speed greatest in the worst weather, as compared with her rival.—It is perhaps possible to improve sailing vessels greatly, as compared with steamers. When so improved, they might be used where sailing vessels nearly compete with steamers at present. This may be further helped by the diminution of insurance and of the present unnecessary waste of human life.

The Rev. Dr. ROBINSON said, before calling on Mr. Scott Russell, the author of the wave system of ship-building, to explain its principles, he would offer a few preliminary remarks on a subject involving so intimately the greatness and prosperity of this empire. There was a museum, which was easy of access, kept at Somerset House, of the models of nearly all the vessels of war that had ever been built; and it was a humiliating sight to perceive that, with the exception of the celebrated ship the Great Harry, and the Sovereign of the Seas, there was not a single model rising higher than that of a beast of burden in the entire, save some prizes taken from the French. During the war it was found that French vessels could always keep to the windward of the British ships, and then sail away from them when they liked; and it was solely owing to the indomitable spirit of the British sailors that so many great victories had been obtained. The superiority of the French ships he ascribed to the care taken by Louis XIV. to unite practical knowledge with superior science in this branch of national greatness. The few good British ships that had been constructed were made after French models. The writers on naval architecture, with the exception of Chapman and a few more, promulgated the most absurd rules and systems, and left the subject without any theoretic principles whatever to guide the builders. He would have asked the Association before this to obtain a report on the practical principles of naval architecture, but that he really knew no one to whom they could apply with a prospect of getting a satisfactory answer. As an instance of the bad feeling existing on this subject, he had only to allude to the recent operations of the Experimental Squadron, where matters of fact had been made matters of party. He trusted, however, that at the next session of the Association some better prospect would be before them. A few of the points on which information was wanted were these:—The stability of the vessel to carry a sufficiency of canvas to obtain the necessary speed was an important consideration. This stability was to be obtained, either by lengthening the vessel, or still more by increasing the breadth, or else by bulk. Each of these modes, however, bore with it a corresponding disadvantage, and some general theory of proportion was most desirable. The second point was to enable the vessel to move through the water with the least possible resistance. By increasing the stability of



This day, 8vo. cloth lettered, price 18s. with Plates.  
**GUY'S HOSPITAL REPORTS.**  
 Vol. IV. New Series.  
 Being the Volume for the year 1846.  
 London: 8, Highgate, 32, Fleet-street.

To be continued in yearly volumes, published in October.

Priest, free by post.

**TO ALL WHO HAVE FARMS OR GARDENS.**  
**THE GARDENERS' CHRONICLE**  
**AND AGRICULTURAL GAZETTE**  
**(THE HORTICULTURAL PART)** Edited by Prof. LINDLEY

Of Saturday, October 3, contains Articles on

Alice Douglass at Dronmore, by Mr. F. Frost, Dronmore Agricultural experiments, mode of conducting them, by Mr. G. L. Smith, Esq. Opuntia tuna, by Mr. D. Murray, Cork

Pomacee, second crop of Polmasee, by Mr. W. Herbert

Potato disease, root a preventive of Potato disease, cause of, by Mr. G. L. Smith, Esq. Lines of sprouts of seedlings from Chili affected by Potato disease, Solanum laciniatum affected by, by Mr. W. Masters, Exotic Nursery, Canterbury

Potato disease, subject affected by, by Mr. J. Walker, Viceregal Gardens

Potato epidemic by Niven, Potts, to continue, by Mr. J. M. Goodfellow, Granary

Potatoes, experiments in planting, by Mr. C. R. Bree, Stow-market

Potatoes shaded by Indian corn

Potatoes, two crops from same sets, by Mr. W. Holmes, Hackney

Rain gauge, (with engraving) Sheep, to eat feed, by Mr. R. Osborne, Oberon

Solanum laciniatum affected by potato disease

Strawberries, foreign tuberous, to prepare ground for

Thin sowing Thunbergia chrysopoda, by Mr. J. Grant, Bowood Gardens

Vanessa Antiope Vines for a greenhouse

Winter flowers, to force Wheat, modes of sowing

The Gardeners' Chronicle and Agricultural Gazette contains, in addition to the above, the Covent-garden, Kirk-lea, and Smithfield prices, with returns from the Potato, Hay, and Seed Markets, and a complete Newspaper, with a detailed account of all the transactions of the week.

ORDER of any News-vendor.—OFFICE for Advertising, 5, Upper Wellington-street, Covent-garden, London.

Price Sixpence, free by post.

**The Railway Chronicle**

OF Saturday, October 2, contains Articles on

THE VARIOUS CITIES OF CANTERBURY AND SOUTH-EASTERN—FAILURES OF LAST YEAR AND THEIR MORAL—MR. CUBITT ON ATMOSPHERIC EXPERIMENT—MORE NEWSPAPER VAGARIES—JACK-TALE DOCUMENTS—THE IRISH CHURCH—THE IRISH LOCAL IMPROVEMENTS—Bodiner's Long and Short Brake Engines—Holyhead Railway, Menai Bridge—Report on Iron Manufacture of Great Britain.

HALF-LITERATURE—Ogier's Proposal for a General Metropolitan Railway.

NOTES ON BUILDINGS.—Bristol and South Wales—Yate—Mast—Tav and Dock—Maldon—Witham and Braintree—Liverpool, Ormskirk and Preston—Edinburgh and Rathgar—Aberdeen and Bathgate Junction—Dublin and Drogheda—Ulster—Newry and Enniskillen—Italian and Austrian—Meetings of Societies—Receipts of Dissertive—South Wales—Receipts—Considerate Attention of the Eastern Counties—Comparative Speed of the Trains—Non-liability of Railway Companies to the Metropolitan Buildings Act—The Bristol and Poole Harbour—Scottish Central—Cost of Railway Works in Ireland—Capital of Irish Railways—Irish Immigrant Railways—Monopoly—English and Foreign Railways—Cost of the Week.

Progress of Works—Accidents—Low Intelligence—Dublin and Drogheda—Railway Duty—Old Stage Coaches—Eastern Counties—Fare—Tolls—The Times—Iron Trade—Meetings—Tenders—Local—Contractors—Dividends—Calls—Deposits—Returned—Transfer—Books Closed—Clerical—Taxis—Shuttle—Linen—Foreign ditto—Money Market—Paris Letter—Miscellaneous.

Order Railway Chronicle of any News-vendor.

**RAILWAY CHRONICLE TRAVELLING CHARTS** may be had at all the Stations on each Line.

LONDON to BRIGHTON, containing 83 Engravings, in a wrapper, price 6d.

LONDON to WOKING and GUILDFORD, with 33 Illustrations, in a wrapper, price 4d.

LONDON to RICHMOND, containing 15 Engravings, in a wrapper, price 2d.

LONDON to WOLVERTON, containing 84 Engravings, in a wrapper, price 6d.

LONDON to TUNBRIDGE WELLS, containing 55 Engravings, in a wrapper, price 6d.

LONDON to SOUTHAMPTON, containing 55 Engravings, in a wrapper, price 6d.

LONDON to CAMBRIDGE, LONDON to DOVER, LONDON to OXFORD, LONDON to GOSPORT.

Published at the RAILWAY CHRONICLE OFFICE, by J. Francis, may be had of all Booksellers.

**THE NATURE and TREATMENT of GOUT.**

By WILLIAM HENRY ROBERTSON, M.D., Physician to the Buxton Bath Charity, London: John Churchill, Princes-street, Soho.

Just published, 8vo. cloth, price 10s. 6d.

**WHAT TO EAT, DRINK, and AVOID:**

(An original Dietary for invalids.)

By ROBT. J. CULVERWELL, M.D. M.R.C.S. &c. Contents:—How to insure perfect digestion, tranquil feelings, a good night's rest, a clear head and a contented mind. By an observation of the instructions herein contained, the feeble, the infirm, the delicate, and those in a debilitated constitution, may acquire the greatest amount of physical happiness, and reach in health the full measure of life allotted to man.

Sherwood, 23, Paternoster-row; and all Booksellers; or, direct from the Author, 10, Argyle-place, Regent-street.

**LONDON ASSURANCE, Incorporated by Royal Charter, A.D. 1770, for Life, Fire, and Marine Assurances. Offices, 7, Royal Exchange, Cornhill, and 10, Regent-street, London.**

JOHN LAURENCE, Secretary.

**COUNTY FIRE OFFICE, 50, Regent-street.**

Established 1807.

It is respectfully notified to parties holding policies in this office, the renewals of which fall due at Michaelmas, that the same should be paid within fifteen days after Michaelmas day, the 29th of September, lying at the head office, and in the hands of the several Agents.

The terms of insurance in the County Fire Office are upon the most liberal scale, and all claims are settled with promptitude and liberality. Full particulars will be immediately furnished to parties, either personally, or by post, to the head office, or to any of its Agents who are appointed in all the principal towns of the United Kingdom.

JOHN A. BEAUMONT, Managing Director.

**VICTORIA LIFE ASSURANCE COMPANY, No. 18, King William-street, Mansion House.**

Trustees.

Sir James Duke, Ald. M.P. Benjamin Hawes, Esq. Deputy-Chairman.

Benjamin Barnard, Esq. Charles Baldwin, Esq.

Life Assurance effected by this Company on every description of risk, on profit or non-profit scale. Credit of half the Premiums for the first five years allowed on Policies effected for the whole term of life. Payment of Premiums so arranged as to meet the convenience or wishes of the Assured. A Policy may be made on any sum, and the Premiums may be paid in the term of years, repayable by instalments. Particular attention is requested to the detailed Prospectuses of the Company.

WILLIAM RATRAY, Actuary and Secretary.

**NATIONAL PROVIDENT INSTITUTION, No. 48, Gracechurch-street, London, for MUTUAL ASSURANCE on LIVES, ENDOWMENTS, DEFERRED SUMS, IMMEDIATE and DEFERRED ANNUITIES.**

Enrolled under the Act of Parliament relating to Friendly Societies.

Char. Pritchett Bousfield, Esq. Robert Ingham, Esq.

John Bradbury, Esq. Joseph Janson, Esq.

William Cash, Esq. Samuel Hayhurst Lucas, Esq.

Thomas Castle, Esq. Charles Lushington, Esq.

John Feltham, Esq. John St. Barbe, Esq.

Joseph Hargrave, Esq. Richard Shorridge, Esq.

Thomas Hodgkin, M.D. Samuel Smith, Esq.

Medical Directors.

J. T. Conquest, M.D. F.L.S.—Thomas Bevan, M.D. F.L.S.

Solicitors.

Messrs. H. & J. Clark & Son, Charles Consulting Actuaries.

The gratifying result of the valuation of the liabilities and assets of the Institution made in November 1842, is exhibited in the following instances: exhibiting the profit assigned to Policies which had been in existence from one to seven years:—

Years.	Years.	Sum.	Sum Assured.	Amount of Bonus.	Original Premium.	Reduction in Premium in lieu of Bonus.	Equal to a Premium per cent. on the Original Premium.
7	50	163 11 6	63 0 0	63 0 0	27 17 2	44	
7	46	1,000 11 12	46 1 0	1 6 3 5	46	40	
7	33	2,000 17 10	54 1 0	20 11 6	39	39	
7	32	2,000 44 7	10 0 0	1 1 1 0	30	35	
6	32	1,000 16 5	45 10 0	34 10 7	34	33	
6	31	500 37 2	12 17 6	6 4 2 5	32		
5	51	1,000 91 3 0	47 2 6	13 6 3 4	28		
5	41	2,000 140 13 0	69 10 0	18 11 0	26		
5	30	2,000 37 0	12 17 6	0 0 0 0	20		
4	28	1,000 46 14 0	24 3 4	4 16 5 10	19		
3	46	800 37 8	31 18 5	8 18 10	13		
3	25	2,000 69 6 0	44 5 0	6 14 11	15		
2	63	3,000 140 12 0	22 15 0	23 21 7	18		
1	24	500 51 11 0	11 11 0	0 0 0 0	20		
1	42	2,000 26 14 0	70 8 4	3 3 0 4	4		

The next division of profits will be made in November 1847.

MEMBERS whose PREMIUMS BECAME DUE on the 1ST INSTANT, are reminded that the same MUST BE PAID WITHIN THIRTY DAYS FROM THAT DATE.

Copies of the Report to the last Annual Meeting of Members, and other information, may be obtained at the Office, or the Agents in the country.

London, Oct. 7, 1842.

JOSEPH MARSH, Secretary.

**PATENT WATCHES AND CLOCKS.**

E. J. DENT especially selected from the public an inspection of the extensive stock of WATCHES which have greatly increased to meet the demand at this season of the year. Youth's Silver Watch, 4 guineas each; excellent Silver Lever, ditto, 6 guineas each; Ladies' Gold Watches, 8 guineas each. Dent's manufacture is guaranteed to him by three separate Patents, granted in 1836, 1840, and 1842.

85, Strand : 33, Cockspur-street : 34, Royal Exchange.

**MUSICAL BOXES** of high quality, the mechanism beautifully finished, playing upwards of 750 air-symphonies, &c. A Catalogue of the Music, with the price of the boxes, now published, will be sent, post paid, if applied for by a paid letter. 1, COX SAVORY & CO., Goldsmiths, &c., 47, Cornhill (seven doors from Gracechurch-street), London.

**ENCAUSTIC, VENETIAN, and other**

PATENT TILES, and MOSAIC PAVEMENTS, may be purchased at MINTON & CO.'s Warehouse, No. 9, Albion-place, Surrey, Side, Blackfriars Bridge.

J. M. BLASHFIELD, Agent.

The above tiles have lately been considerably reduced in price.

1, B. An assortment of plain and ornamental door furniture and slabs, tiles for fire-places, &c. &c.

**OLD PLATED GOODS RESTORED** and

REPLATED. The Electro Process is the only one by which the restoration of worn-out Plated Goods can be effected, being thereby rendered secure.

ELKINGTON & CO., the Patentees, request all goods may be sent direct to their Establishments, where they have an extensive assortment of their Patent Electro Articles always on show, unprincipled persons are invading their property. They have authority no other parties in London to replate.

22, Regent-street, 2, Moorgate-street, 3, London.

**METCALFE & CO.'s NEW PATTERN**

**TOTH BRUSH** and SMYRNA SPONGES.—The Toth Brush has the important advantage of searching thoroughly into the divisions of the teeth, and cleaning them in the most effectual

and most extraordinary manner, and the fibres of the hair, not coming loose, is a third of the usual time, and incapable of injuring the fine hairs. Penetrating Hair Brushes, with the durable unbleached Russian Bristles, which do not soften like common hair. Flesh Brushes of improved graduated and powerful friction. Velvet Brushes, of the best quality.

Velvet Brushes, of the best quality.

The Genuine Smyrna Sponge, with its reserved valuable

properties of absorption, vitality, and durability, by means of

direct importations, dispensing with all intermediate parties' profits and destructive bleaching, and securing the luxury of

the genuine sponge.

Caution.—Beware of the words "From Metcalfe's" adopted by some houses.

**FEATHER BEDS PURIFIED BY STEAM.**

—HEAM & SON have just completed the erection of Machinery, for the first time, upon a new principle, by which the offensive properties of the quilt are removed, and carried off in steam; thereby not only are the impurities of the feather itself entirely removed, but they are rendered quite free from the unpleasant smell of the stove, which all new feather beds are subject to.

Old Beds are dressed by this process, and rendered from

all impurities, and by expanding the feathers the bulk is greatly increased, and consequently the Bed is rendered much softer.

The following are the present Prices of New Feathers:—

Mixed, per lb. .... 1s 0d 1s 0d 1s 0d

Grey Goose .... 1s 0d 1s 0d 1s 0d

White Goose .... 1s 0d 1s 0d 1s 0d

Heal. Son's List of Bedding, containing full particulars of

Weights, Sizes, and Prices, sent free by post, on application to

their Establishment, 196, opposite the Chapel, Tottenham-court-road.

Sold by all the Chemists in Town and Country.

Patronized by Her Majesty, His Royal Highness Prince Albert, and Her Royal Highness the Duchess of Kent, and Her Royal Highness the Duchess of Kent.

**MR. CLARKE, SURGEON-DENTIST,**

28, Sackville-street, Piccadilly.

CLARKE'S PUNCTURE, for instantaneously curing the

Tooth Ache, with the least pain or danger, price 2s. 6d.—

Mr. CLARKE'S SUCCEDEUM, for Stopping Decayed Teeth, however large or small the cavity: it is placed in the tooth in a soft state, without any pressure or pain, and soon becomes as hard as the enamel, and will remain firm in the tooth for many years rendering the tooth safe from the further progress of decay.

All persons can use it themselves with ease, as full directions are enclosed. Price 2s. 6d. Prepared only by Thomas & Howard, Surgeon-Dentists, 64, Berners-street, Oxford-street, who will send it into the country by post.

CLARKE'S LOTION, for strengthening and purifying the Gums, and for removing the Tartar, price 2s. 6d.—

CLARKE'S OINTMENT, for the Mouth, price 4s. 6d.—Also Mr. CLARKE'S TOOTH BRUSHES, in cases containing three different kinds of Brushes necessary to be used for Cleaning the Teeth, price 4s. 6d.—CAUTION, none are genuine unless each is sealed with the inventor's name and address. And the above Article is to be had in all parts of the United Kingdom, on receipt of Post Office order—LOSS OF TEETH supplied, from one to a complete Set, on his new system, which has procured him the approbation of Sir James Clark, Bart. and Dr. Locock.

Mr. FREDERICK CLARKE, Surgeon-Dentist, 28, Sackville-street, Piccadilly, at Home from Ten till Five.

**FOR STOPPING DECAYED TEETH.**

Patronized by Her Majesty, His Royal Highness Prince Albert, and Her Royal Highness the Duchess of Kent.

HOWARD'S SUCCEDEUM for Stopping Decayed Teeth.

HOWARD, Grace, Merchant of Harbor, had a bad leg of a fearful nature and long duration, for which the medical aid of the island afforded no relief; whereupon he determined to proceed to England, and there to have his leg amputated; but, as a last resource, and before adopting such a course, he used Holloway's Pills and Ointment, which speedily effected a cure of his leg.

The particulars of this surprising case were received by

Prize 2s. 6d. 1s. 2s.—Family Bottles (equal to four

small 1s. 6d., and double that size, 1s. 2s. per Bottle).

Sold by the Proprietors, and by Chemists and Perfumers.

**HOLLOWAY'S OINTMENT and PILLS in**

**NEWFOUNDLAND.**—Charles Thorne, Esq., merchant of Harbor Grace, had a bad leg of a fearful nature and long duration, for which the medical aid of the island afforded no relief; whereupon he determined to proceed to England, and there to have his leg amputated; but, as a last resource, and before adopting such a course, he used Holloway's Pills and Ointment, which speedily effected a cure of his leg.

The particulars of this surprising case were received by

Prize 2s. 6d. 1s. 2s.—Family Bottles (equal to four

small 1s. 6d., and double that size, 1s. 2s. per Bottle).

Sold at Professor Holloway's Establishment, 24, Strand, London, and by all Medicine Venders.

London, and by all Medicine Venders.

Complete in 1 vol. 8vo with Maps and Plates, price 12s.  
**GELL'S TOPOGRAPHY of ROME** and its VICINITY. New Edition, revised and enlarged, by E. H. BUNDBURY, Esq. F.C.S. H. G. Bohn, York-street, Covent-garden.

**LE VERRIER'S NEW PLANET.** — THE GUARDIAN (published weekly, price 6d.) of Wednesday next, the 14th of October, will contain a full account of the Discovery of this New Planet.—Office, 314, Strand.

**THE MUSIC BOOK.** New Weekly Periodical of Original Music, No. II, this day. New Song by WALLACE. 'THE FALSE FRIEND,' price 6d. Printed from Engraved Plates, on Paper the usual Music size. No. I. 'SING, MAIDEN, SING.' Music by BALFE, Words by BARRY CORNWALL, was published last Saturday. Office, 1, St. Bride's-Avenue, Fleet-street, where Prospectives may be had; and sold by all Booksellers and Newsagents.

**'THE FALSE FRIEND.'** New Song by WALLACE, Words by T. Hood, price 6d., being No. II. of THE MUSIC BOOK. Printed from Engraved Plates, on Paper the usual Music size.

No. I. 'SING, MAIDEN, SING.' Music by BALFE, Words by BARRY CORNWALL, was published last Saturday.

Office, 1, St. Bride's-Avenue, Fleet-street, where Prospectives may be had; and sold by all Booksellers and Newsagents.

Just published, 8vo. price 3s. 6d. sewed,

**THE HORATII: A TRAGEDY.** In Five Acts. London: Smith, Elder & Co. 65, Cornhill.

October 1st, 1846.

This day, post 8vo. 5s.

**THE COLONIAL and HOME LIBRARY.** No. 37; being the concluding part of WILD SPORTS and NATURAL HISTORY of the HIGHLANDS. By CHARLES ST. JOHN, Esq.

John Murray, Albemarle-street.

NEW WORK ON CLINICAL SURGERY.

Just published, in 8vo. price 10s. 6d. cloth. **CLINICAL COLLECTIONS and OBSERVATIONS in SURGERY**, made during an Attendance on the Surgical Practice of St. Bartholomew's Hospital. By W. P. ORMEROD, Fellow of the Royal College of Surgeons of England; late House-Surgeon at St. Bartholomew's Hospital.

London: Longman, Brown, Green, & Longmans.

On Wednesday next will be published, price 2s.

**QUARANTINE and the PLAGUE;** being a Summary of the Report on these Subjects recently addressed to the Royal Academy of Medicine in France; with Introductory Observations, Extracts from Parliamentary Correspondence, and Notes.

By GAVIN MILROY, M.D. &c. London: S. Highley, 39, Fleet-street.

Next month, Vol. I. of the

**STUART PAPERS**, from the Originals in the possession of Her Majesty the Queen. W. N. Wright, Bookseller to the Queen, 60, Pall Mall.

Just published, with numerous Illustrations on Steel and Wood, 8vo. cloth, 12s. 6d.

**A MANUAL of PHYSIOLOGY;** specially designed for the Use of Students. By W. B. CARPENTER, M.D. F.R.S.

London: John Churchill, Princes-street, Soho.

Just published, illustrated with Engravings on Wood, post 8vo. cloth, 10s. 6d.

**CHEMISTRY of the FOUR SEASONS.** Spring, Summer, Autumn, Winter. By THOMAS GRIFITHS, Professor of Chemistry in the Medical College of St. Bartholomew's Hospital.

London: John Churchill, Princes-street, Soho.

Just published, the 3rd edition, with much new matter, 8vo. cloth, 15s.

**CHEMISTRY, METEOROLOGY, and the FUNCTION of DIGESTION,** considered with reference to Natural Theology; being the Bridgewater Treatise. By WILLIAM PEOT, M.D. F.R.S.

London: John Churchill, Princes-street, Soho.

Just published, foolscap 8vo. cloth, 12s. 6d. **A MANUAL of CHEMISTRY;** with numerous Illustrations on Wood. By G. FOWNES, Ph. D., F.R.S. Professor of Practical Chemistry in London University College.

An admirable exposition of the present state of chemical science, particularly suitable for the use of students, a thorough practical knowledge of its details, as well as a profound acquaintance with its principles. The Illustrations and the whole getting up of the book merit our highest praise.

*British and Foreign Medical Review.*

London: John Churchill, Princes-street, Soho.

FOR STUDENTS IN CHEMISTRY.

**INTRODUCTION to QUANTITATIVE ANALYSIS.** Post 8vo. cloth, 2s.

Chemical Tables. Folio, price 2s. 6d. By George FOWNES, F.R.S., Professor of Practical Chemistry in University College, London, and to the Pharmaceutical Society of Great Britain.

London: John Churchill, Princes-street, Soho.

Just published, 2nd edition, 8vo. cloth, 9s. **INSTRUCTION in CHEMICAL ANALYSIS QUANTITATIVE.** By Dr. C. REMIGIUS FRESENIUS.

By the same Author, 8vo. cloth, 14s.

Instruction in Chemical Analysis Quantitative. Translated and Edited by J. Lloyd Bullock.

"I can confidently recommend this work, from my own personal experience, to all who are desirous of obtaining instruction in analysis, for its simplicity and exactness, and the facility with which it may be understood." *British Medical Review.*

John Churchill, Princes-street, Soho.

Just published,

**ALMANACH DE GOTHA.** 1847. Volk's Kalender. 1847. Jugend Kalender. 1847.

Williams & Norgate, 14, Henrietta-street, Covent-garden.

Just ready, from the Totham Private Press, the few copies for sale offered at 2s. each.

**HUMAN FATE, and an ADDRESS to the POETS WORDSWORTH and SOUTHEY: POEMS.** By the late SIR EGERTON BRYDGES, Bart. Now first printed (verbatim) from the Author's MSS. in the possession of Charles Clark.

London: John Russell Smith, 4, Old Compton-street, Soho.

**M. R. AKERMANN'S NUMISMATIC WORKS.**

Numismatic Illustrations of the Narrative Portions of the New Testament, with Engravings. 8vo. 5s. 6d.

**Ancient Coins of Cities and Princes—Hispania, Gallia, Britannia.** 8vo. 24 Plates, 1s.

**Coins of the Romans relating to Britain.** 2nd edition, enlarged, 8vo. Plates, 10s. 6d.

**Numismatic Manual.** Thick 8vo. numerous Plates, 16s. 6d.

J. R. Smith, 4, Old Compton-street, Soho, London.

#### AUTOGRAPHS.

This day is published, price 6d. postage free.

**A CATALOGUE of nearly TWO THOUSAND AUTOGRAPHS, STATE PAPERS, &c., which are to be disposed of by Private Contract, separately or together.** A Catalogue to be issued in 12 parts, with application for pre-paid letter to "W. Messrs. Nichols & Son, Gentleman's Magazine Office, Parliament-street, London," inclosing six postage stamps.

On sale, 8vo. price 3s. 6d. to Fellows of the Society, and 5s. to others, postage free, upon receipt of a Post Office order, price 5s. to Fellows of the Society, or 6s. 6d. to others.

**A CATALOGUE of the FRUITS cultivated in the Garden of the HORTICULTURAL SOCIETY of LONDON.** Third Edition. Containing the Names, Synonyms, Colour, Size, Form, Quality, Use, Time of Ripening, and many other particulars concerning the most important varieties of fruit hitherto cultivated in this country.

Sold at the House of the Society, 21, Regent-street, and also by Longman & Co. Paternoster-row; J. Hatchard, Piccadilly; Ridgway, Piccadilly; Rivington, Waterloo-place; and by the principal Booksellers in all parts of the Empire.

#### NEW AND CHEAPER EDITION.

This day is published, **LECTURES on the HISTORY of LITERATURE**, Ancient and Modern. From the German of FREDERICK SCHLEGEL. In 1 vol. facs. 8vo. price 5s.

"Form the most luminous, comprehensive, and philosophical survey of the history of literature which our own age has produced." *British Review.*

"A wonderful performance,—better than anything we as yet have on the subject in our own language." *Quarterly Review.*

William Blackwood & Sons, Edinburgh and London.

THE SECOND VOLUME OF

**SHARPE'S LONDON MAGAZINE**, (complete in 1 vol.) containing 420 large octavo pages of Letter-press, and nearly Sixty Engravings, in cloth lettered, for 4s. 6d. 1s.

N.B. Volume I. is reprinted (same size and price).

London: T. B. Sharpe, or any Bookseller or Newsman throughout the Kingdom.

#### CHEAP ILLUSTRATED MAGAZINE.

Now ready, **SHARPE'S LONDON MAGAZINE**, Part XII. (the four numbers for October, with Title and Index to Vol. I.) price 8s. 6d., containing, in addition to Six百 pages of Letter-press, and nearly Sixty Engravings, in cloth lettered, for 4s. 6d. 1s.

N.B. This work is, beyond dispute, the best of its class that has yet appeared. *—Christian Witness.*

Oliver & Boyd, Edinburgh; Simpkin & Co. London. Of whom may be had, New Editions of

Reid's Rudiments of English Grammar, 6d.

Reid's Rudiments of English Composition, 2s.

Reid's Rudiments of Modern Geography, 1s.

Reid's Atlas of Modern Geography, 7s.

Reid's Outline of Sacred Geography, 6d.

Now ready, price 10s. post 8vo. cloth boards,

**REMINISCENCES of AUSTRALIA**, with Hints on the Squatter's Life. By J. WILKINSON HODGSON.

"Anybody going to that Bush" will do well to make himself acquainted with these pages. "They treat largely of the new Government regulations which have caused so great a sensation in the colony, and which the author warmly reprobates." *—Lit. Gaz.*

"Mr. Hodgson's book is, every way, that of a practical man, simply and clearly written, making no great pretension to literary merit—seeking only to detail facts in such language as first presented itself." *Athenaeum.*

Wright, 60, Pall Mall; Simpkin & Marshall & Co. Stationers' court.

BIBLIOTHECA HISTORICO-NATURALIS.

Just published, Vol. I. (788 pages), price 12s. sewed.

**THE LITERATURE of NATURAL HISTORY**, or a Systematic Catalogue of those Works on Natural History which have been printed from the commencement of the last Century to the end of 1845, in England, France, Germany, Italy, Holland, and other Foreign Countries.

Edited by WILLIAM EGGLESTON.

Part I.—ZOOLOGY and PHYSIOLOGY, with Two Indexes.

London: Williams & Norgate, 14, Henrietta-street, Covent-garden.

£3. A Catalogue of Foreign Scientific Works gratis.

Just published,

**BLACK'S COMPLETE GERMAN and ENGLISH DICTIONARY.** Edited by W. F. THIEME, M.A. In which all Irregular Words in both Languages are arranged in the alphabetical order of the English. The German-English Junctions are given with the Prominence, Composition, and Construction, and other peculiarities, which render this the most valuable Dictionary hitherto published. 12mo. 6s. bound and lettered.

Falck-Lebahi; the German Language in One

Volume. Containing—I. A Practical Grammar, with Exercises to every Rule. II. Undine with Explanatory Notes on all difficult Words and Phrases. III. A Vocabulary of 4,000 words, synonymous in German and English. London, 1846. 8s. cloth.

Weber's Italian and English and Italian-English Dictionary. 12mo. cloth, 4s.

Alexander Black, 8, Wellington-street North, Strand.

Orders for German Books sent off twice a week.

Just published,

**A LMANACH DE GOTHA.** 1847.

Volk's Kalender. 1847.

Jugend Kalender. 1847.

Williams & Norgate, 14, Henrietta-street, Covent-garden.

Just published,

**THE ATHENÆUM**

1056

NEW PEOPLE'S EDITION, royal 8vo. price 2s. 6d.

**FALLACIES of the FACULTY** and the CHRONO-THERMAL CYCLOPEDIA, with an Introductory and Notes by Dr. TURNER, of New York. "Almost as interesting as a novel." *Westminster Review.* "A most original work, with the vigorous and original character of which, in spite of its bold heresies and reckless innovations, we were much struck." *—Tudor Magazine.*

Simpkin & Marshall, Stationers' court; J. Oliver, 50, Pall Mall.

BUCHANAN'S TECHNOLOGICAL DICTIONARY.

Just published, 12mo. bound in cloth, price 7s., or royal 7s. 6d.

**A TECHNOLOGICAL DICTIONARY**, explaining the Terms of the Arts, Sciences, Literature, and Commerce, and Trades. By W. BUCHANAN.

"Its materials have been derived from the best and most authentic sources, and have been brought together with much care, and is in every respect a valuable work. Many important terms in the industrial arts, have been supplied, by those engaged in the practical operations to which they relate, and in case, when done, similar means of attaining correct information overlooked."

London: William Tegg & Co. 73, Cheapside.

LEMPRIER'S CLASSICAL DICTIONARY,

BY W. PARK, M.A.

Price 7s. cloth, or 7s. 6d. cloth.

**BIBLIOTHECA CLASSICA;** or, a Classical Dictionary, containing a copious account of all the Principal Names mentioned in Ancient Authors. By J. LEMPRIER, M.A. A New Edition, revised and corrected, with numerous additions and improvements, by W. PARK, M.A. Librarian to the University.

"In preparing this New Edition of Dr. Lemprière's 'Bibliotheca Classica,' it has been the Editor's endeavour to render the work still more worthy of the very favourable reception it had so long met with from the public."

London: William Tegg & Co. 73, Cheapside.

Now ready, in 8vo. 7s. 6d. cloth.

**THE PRE-ADAMITE EARTH.** Contributions to Theological Science. By J. HARRIS, D.D.

By the same Author, 10s. Thousand, cloth, 7s. 6d.

**The Great Teacher;** or, Characteristics of our Lord's Ministry.

In 1 vol. fcap. 8vo. 5s. cloth.

The Supremacy of the Scriptures, the Divine Rule of Religion. By the Rev. James Davies. With an Introductory Preface, by Rev. J. P. Smith, D.D. F.R.S. &c.

Fifth edition, fcap. 8vo. price 2s. 6d. cloth.

Mental Discipline. Hints on the Cultivation of Intellectual and Moral Habits. Addressed particularly to Students in Theology and young Preachers. By Rev. D. B. F. BURDE, D.D.

The Youth's Bible Cyclopaedia. With 120 Engravings. Square 16mo. 2s. 6d. cloth gilt.

Animals: their Food and Instincts. Illustrated with superior Engravings. 3s. 6d. cloth gilt.

Ward & Co. 27, Paternoster-row.

REID'S ENGLISH SCHOOL DICTIONARY.

In large 12mo. price 6s. 6d. strongly bound, the 2nd edition of

**A DICTIONARY of the ENGLISH LANGUAGE.** By the Rev. J. P. THOMAS, of the Prinsepian Library.

Explanation of all Words anthologized in eminent Writers; in which are added, a Vocabulary of the Roots of English Words, and an Accented List of Greek, Latin, and Scripture Names.

By ALEX. REID, M.A.

Rector of the Circus Place School, Edinburgh.

The most complete School Dictionary we have yet seen.

*Academic and Collegiate Circular.*

"This work is, beyond dispute, the best of its class that has yet appeared." *—Christian Witness.*

Oliver & Boyd, Edinburgh; Simpkin & Co. London. Of whom may be had, New Editions of

Reid's Rudiments of English Grammar, 6d.

Reid's Rudiments of English Composition, 2s.

Reid's Rudiments of Modern Geography, 1s.

Reid's Atlas of Modern Geography, 7s.

Reid's Outline of Sacred Geography, 6d.

NEW EDITION of MC. INTOSH'S PRACTICAL GARDENER AND MODERN HORTICULTURIST.

in 1 vol. 172 pages, closely printed, with up-to-date woodcuts, containing the latest and most approved mode of managing the Kitchen, Fruit, and Flower Garden, the Green-house, Hot-house, Conservatory, &c. for every month in the year. By CHARLES MC. INTOSH, of the Palace of Holyrood, Edinburgh.

"The labour and expense of a life devoted to the science of Horticulture we now present to the public." *—Vice-Admiral's Review.*

THE COMPREHENSIVE GAZETTEER of the WORLD; being a complete and accurate State of the Universe, and constituting a systematic Dictionary of Geography, containing a complete Description of every part of the known World, and embodying a complete Topographical Dictionary of Great Britain and in which every County, City, Borough, Town, and Village in the United Kingdom is introduced.

Edited by G. N. WRIGHT, M.A. &c.

Beautifully printed in royal 8vo, and illustrated by upwards of 40 neatly constructed Maps, forming a complete Series of 100, with numerous views of Cities, &c. neatly colour'd.

"This useful work is just completed, and will be sold at 2s. each in Maps, & 2s. 6d. with coloured Maps."

"This work will be a valuable addition to every gentleman's library, being the only modern book of reference of the kind extant."

London: Thomas Kelly, Paternoster-row; and sold by Simpkin & Marshall, & Co. and all Booksellers.

W. B. CARPENTER, C. J. DODD, & CO. LONDON.

THE LIBRARY of the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

The Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences, and the Royal Society of Literature.

Just published, by the Royal Society of Arts, the Royal Society of Medicine, the Royal Society of Antropology, the Royal Society of Natural Sciences